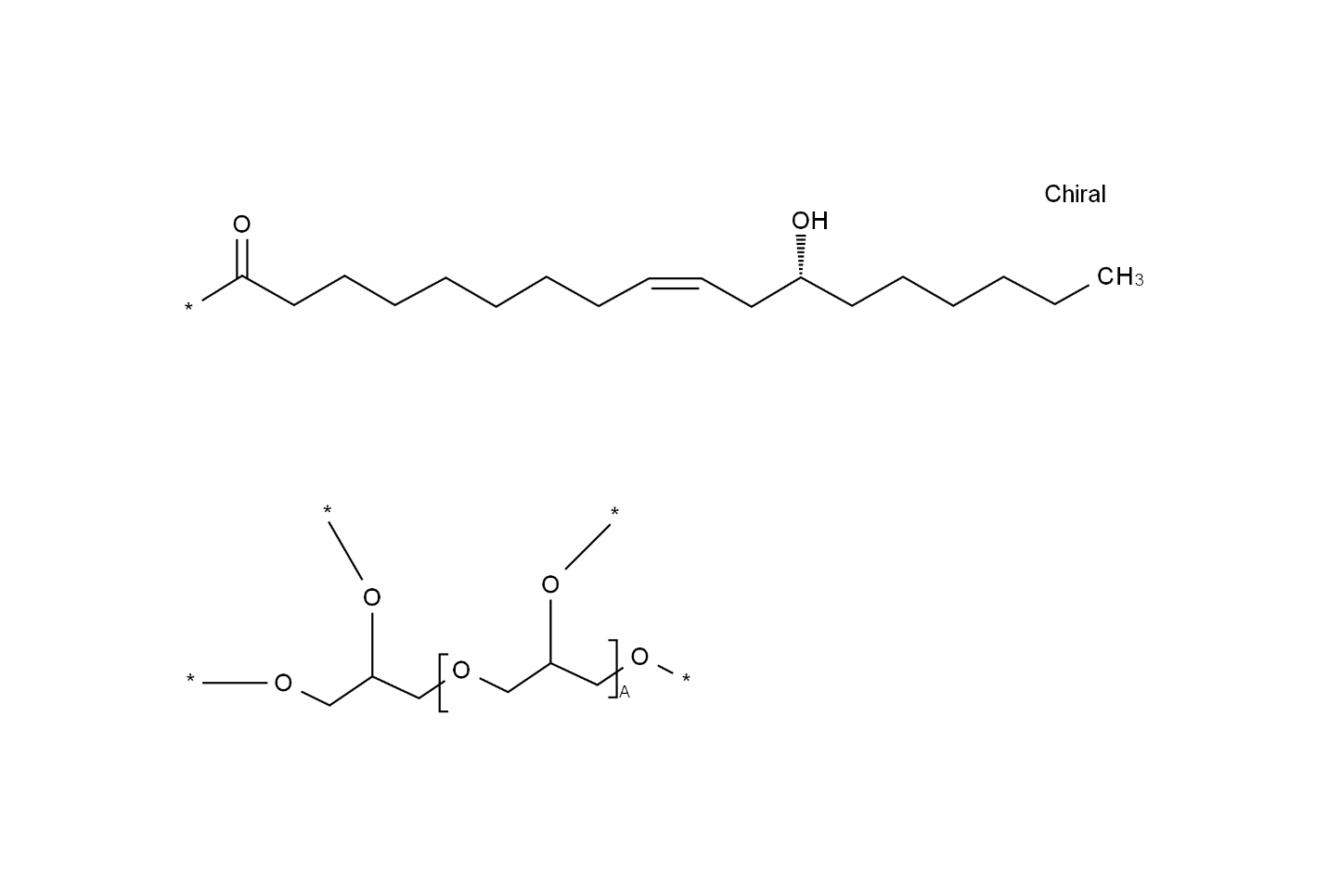
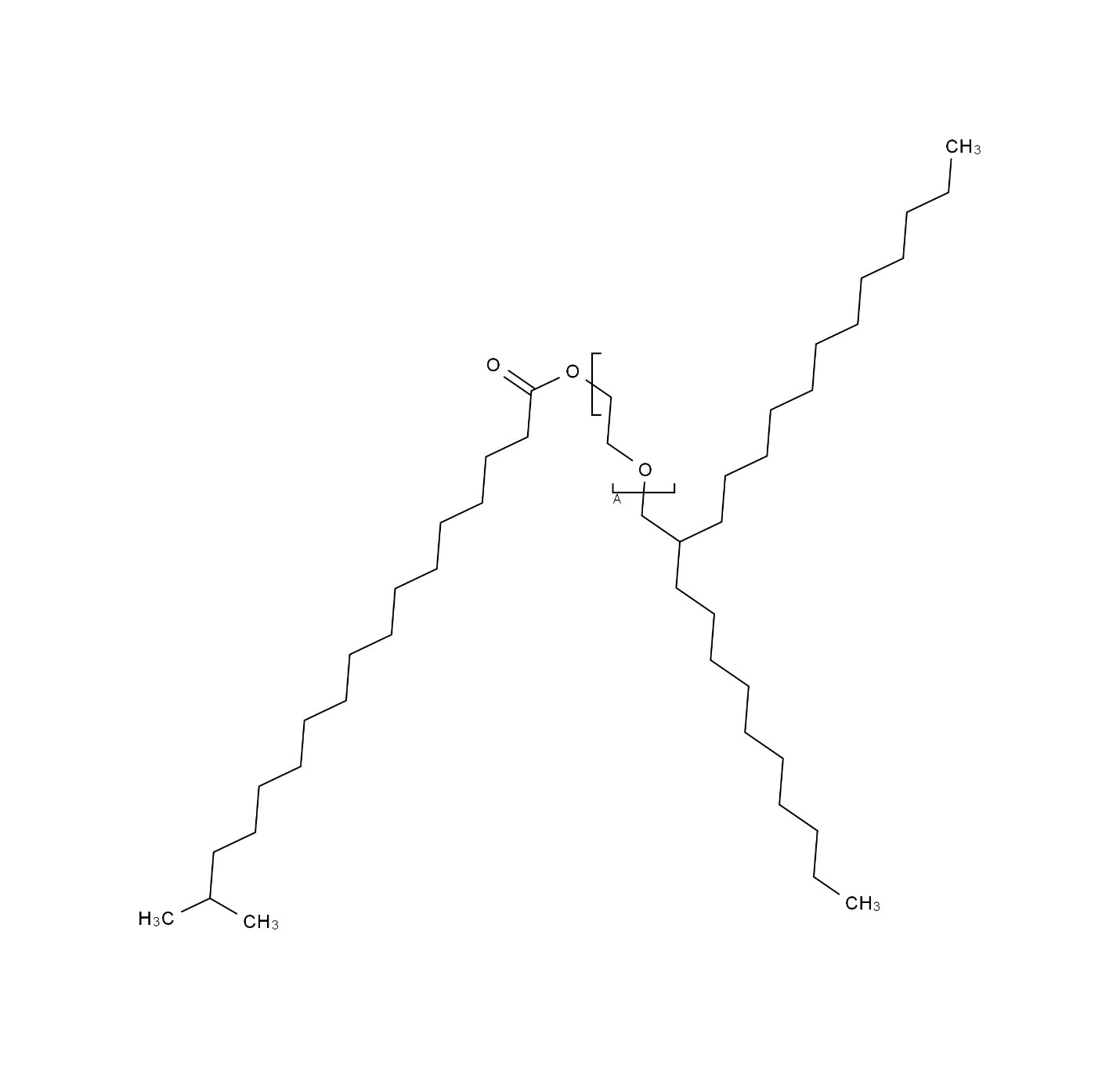
1. With the exception of simplest cases of linear polymers we cannot compose a deterministic representation of a general polymeric macromolecule.
2. We can still characterize a polymer by including all its characteristics into SPL. These characteristics will include all known SRU, end- and joint- units, degrees of polymerization, all other essential characteristics.
3. SPL description of polymer should be built on assumption that polymer is a set of moieties – some of which are well-defined fragments (end and joint units), some of which are SRUs.
4. Only linear SRUs should be separated and canonicalized
5. General approach to canonicalize SRU is:
   1. Take SRU of length N and propagate to the length of 2N
   2. Move frame N steps from left to right, then in reverse order and choose a canonical (in terms of InChI) chain
   3. Locate canonical chain on 2N fragment
   4. See if end units modification is necessary by cutting or attaching parts of the polymeroic chain
   5. Reconstruct new polymeric chain with adjacent units
   6. Repeat if necessary for all SRUs of branched polymer
6. Polymeric moiety is radical or bi-radical with added H

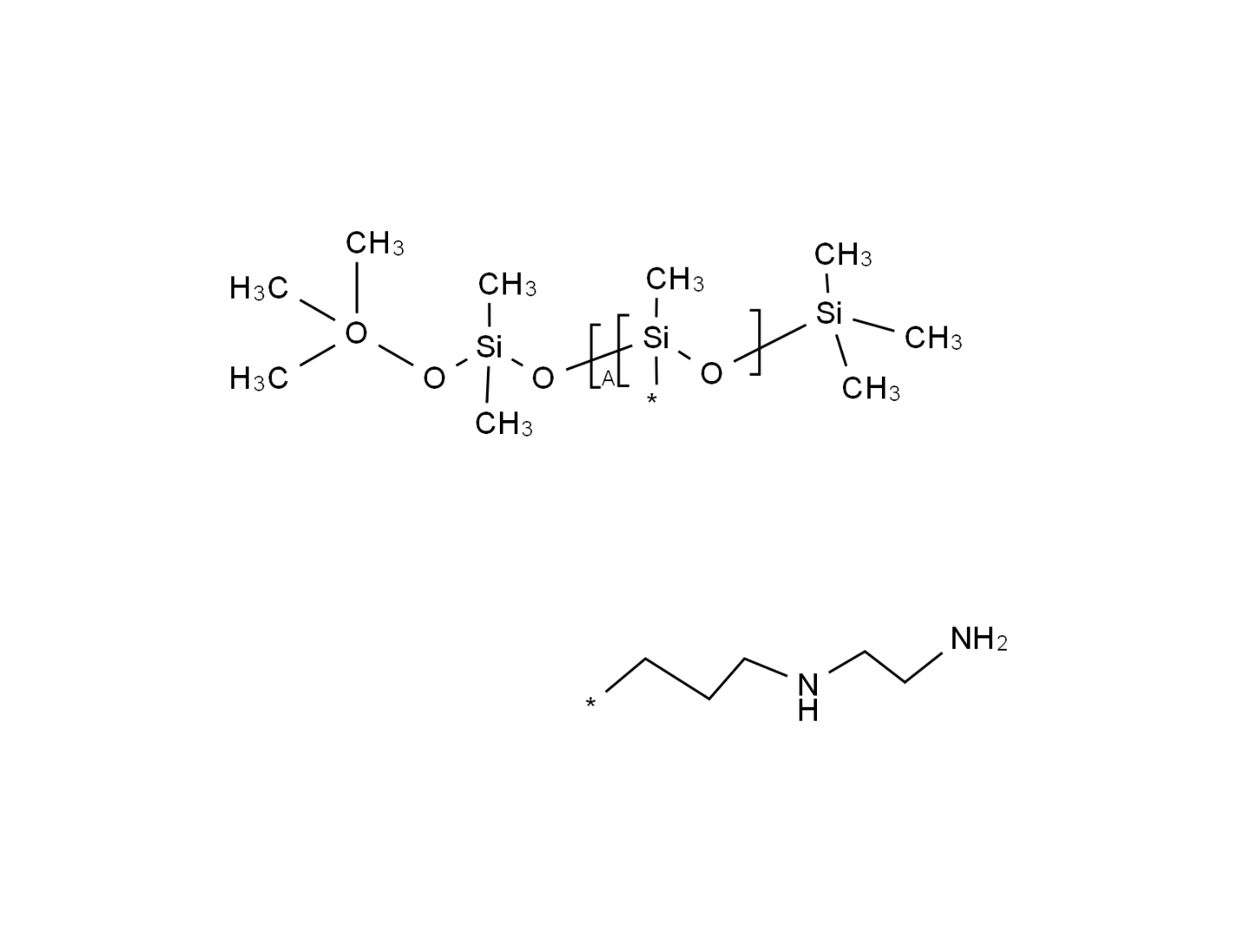
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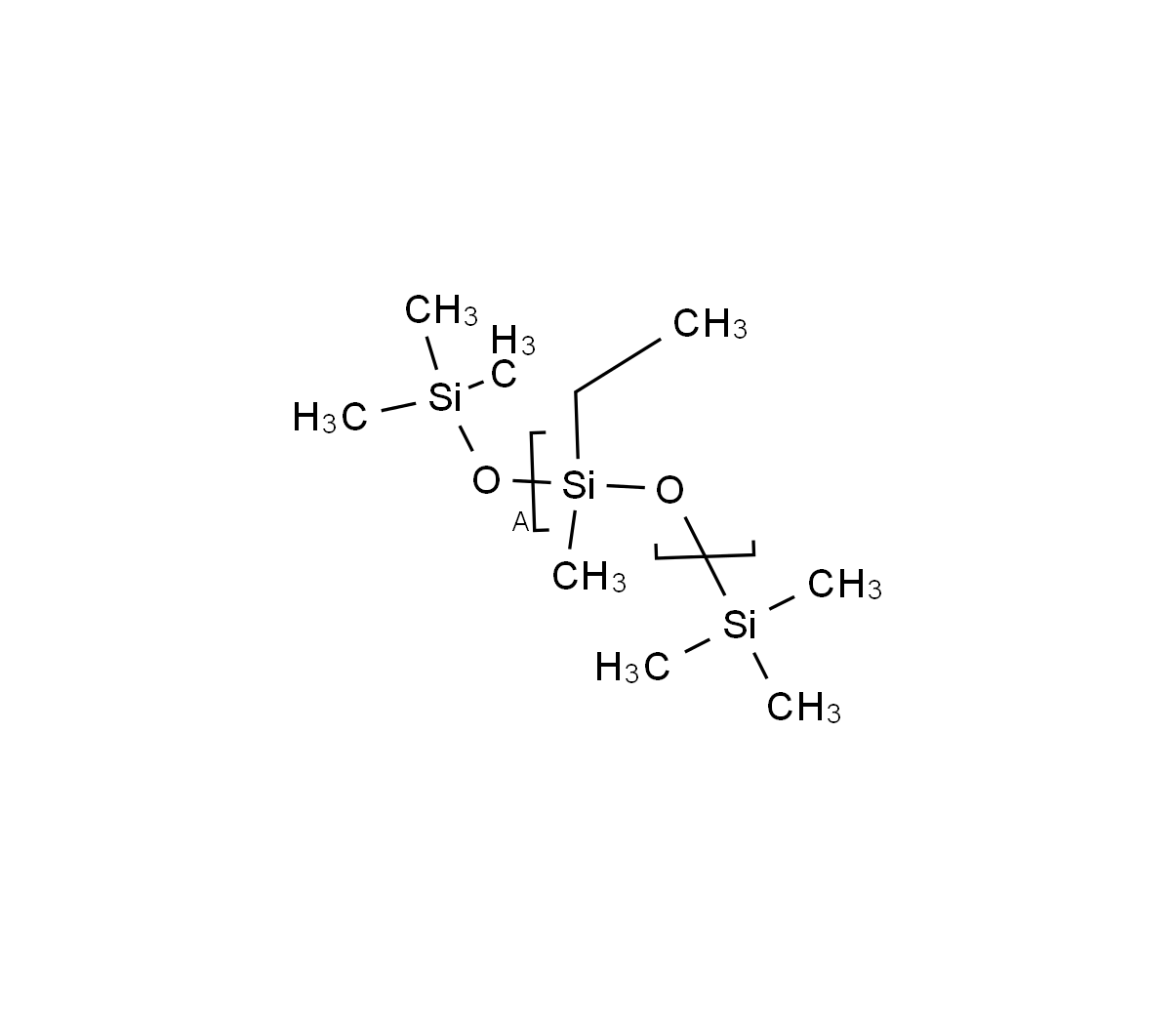
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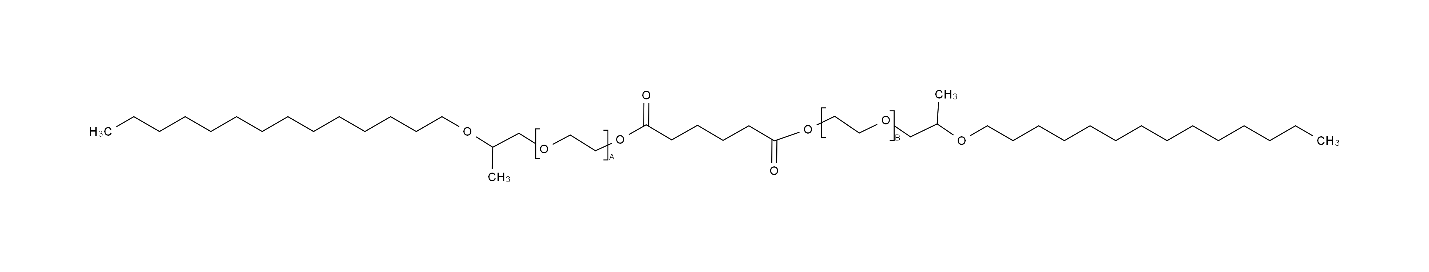
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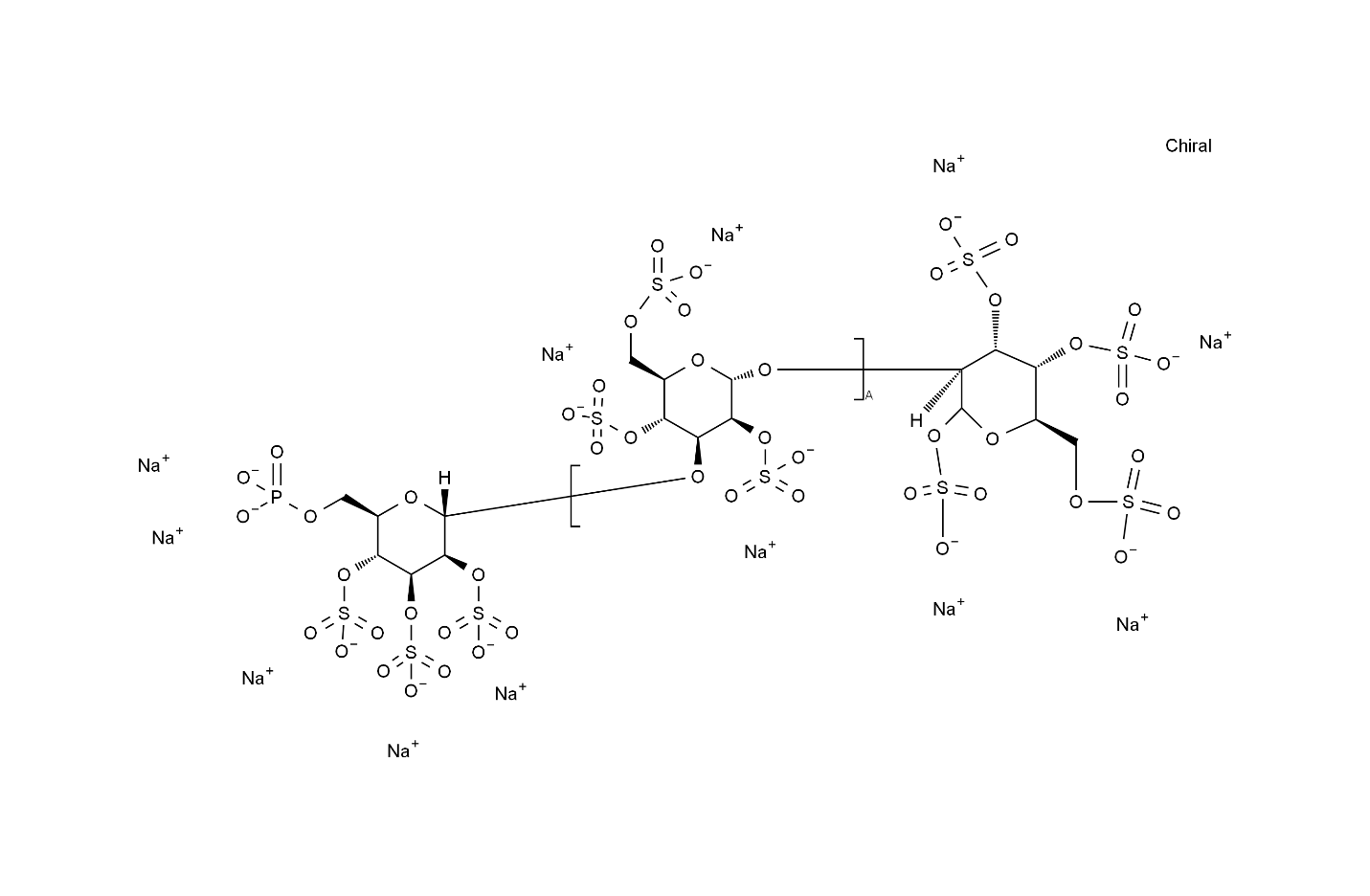
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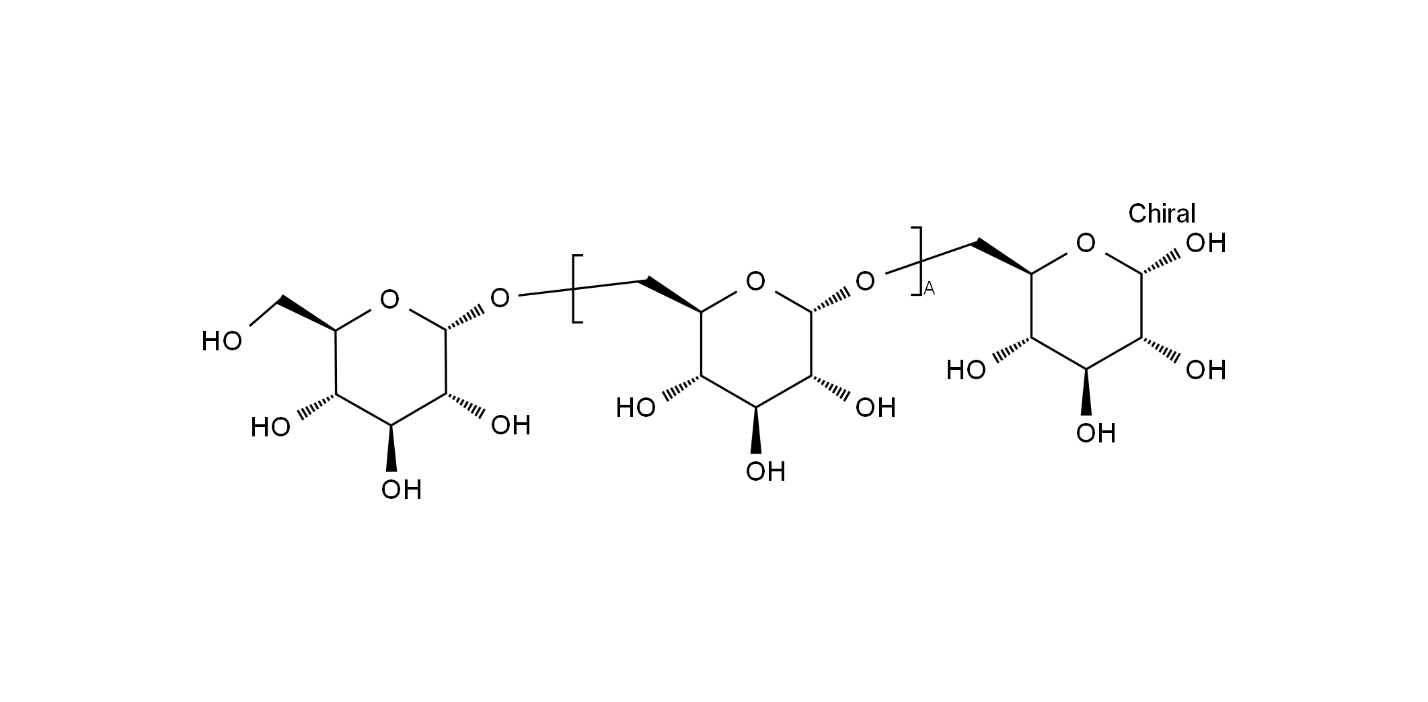
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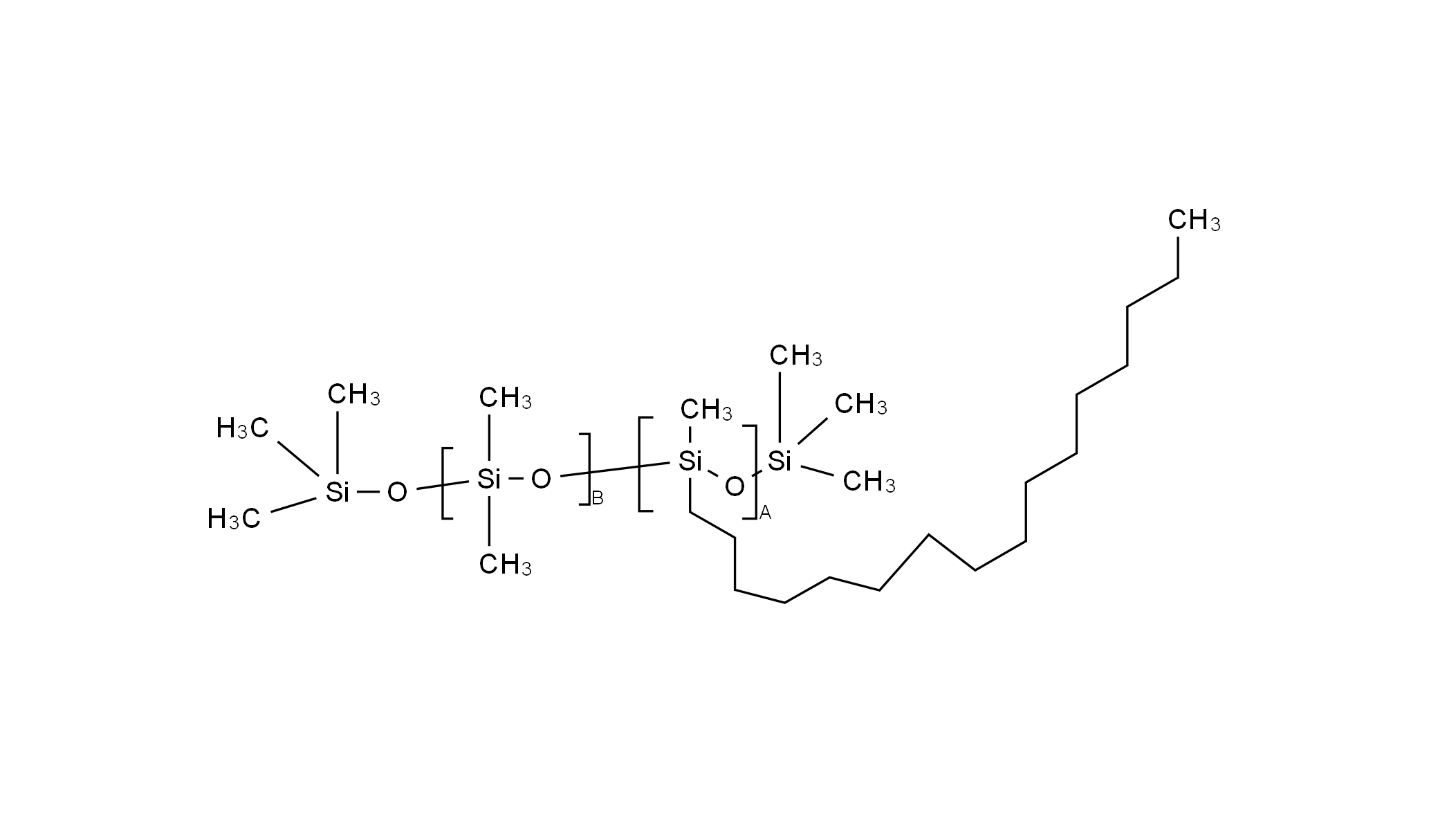
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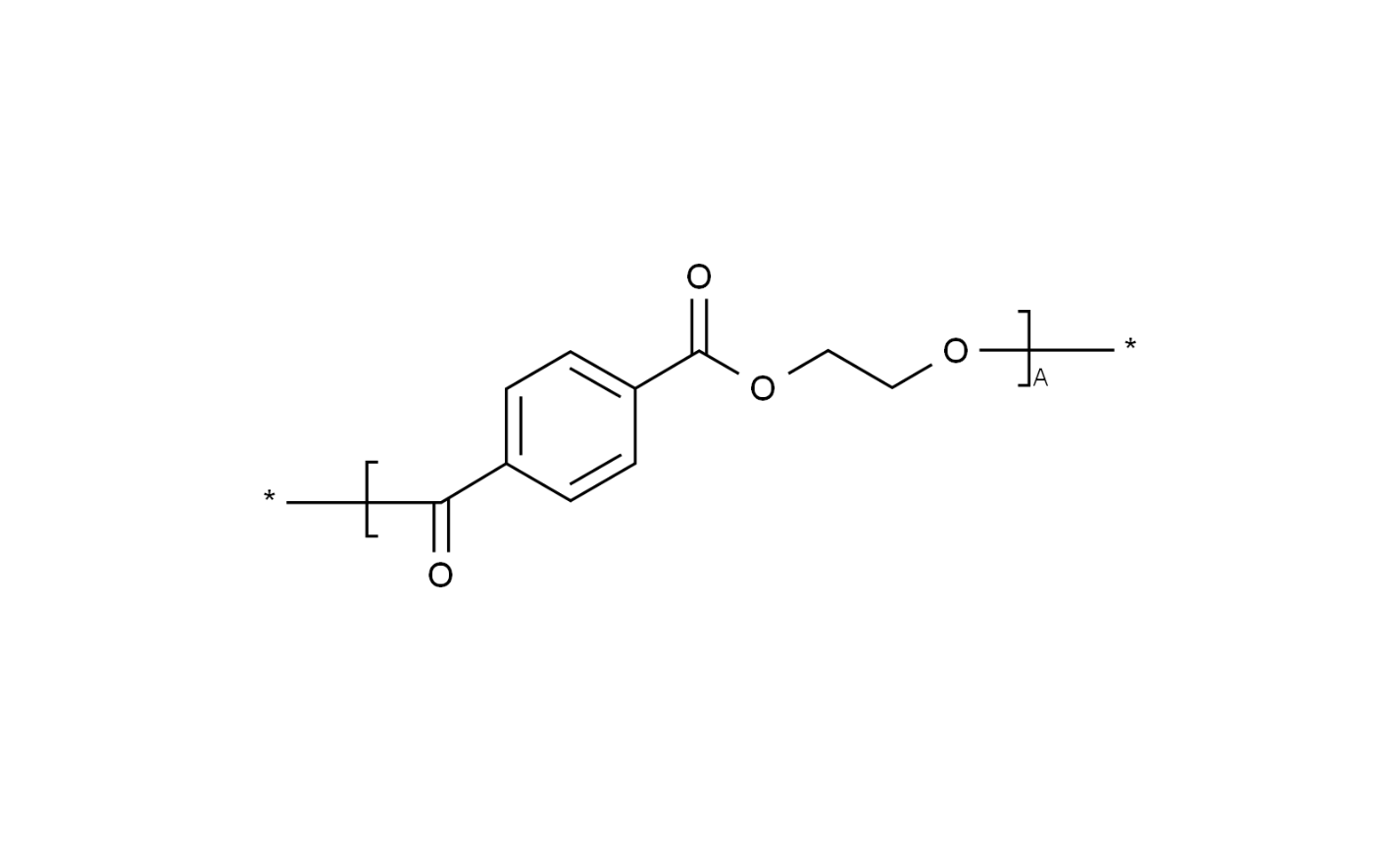
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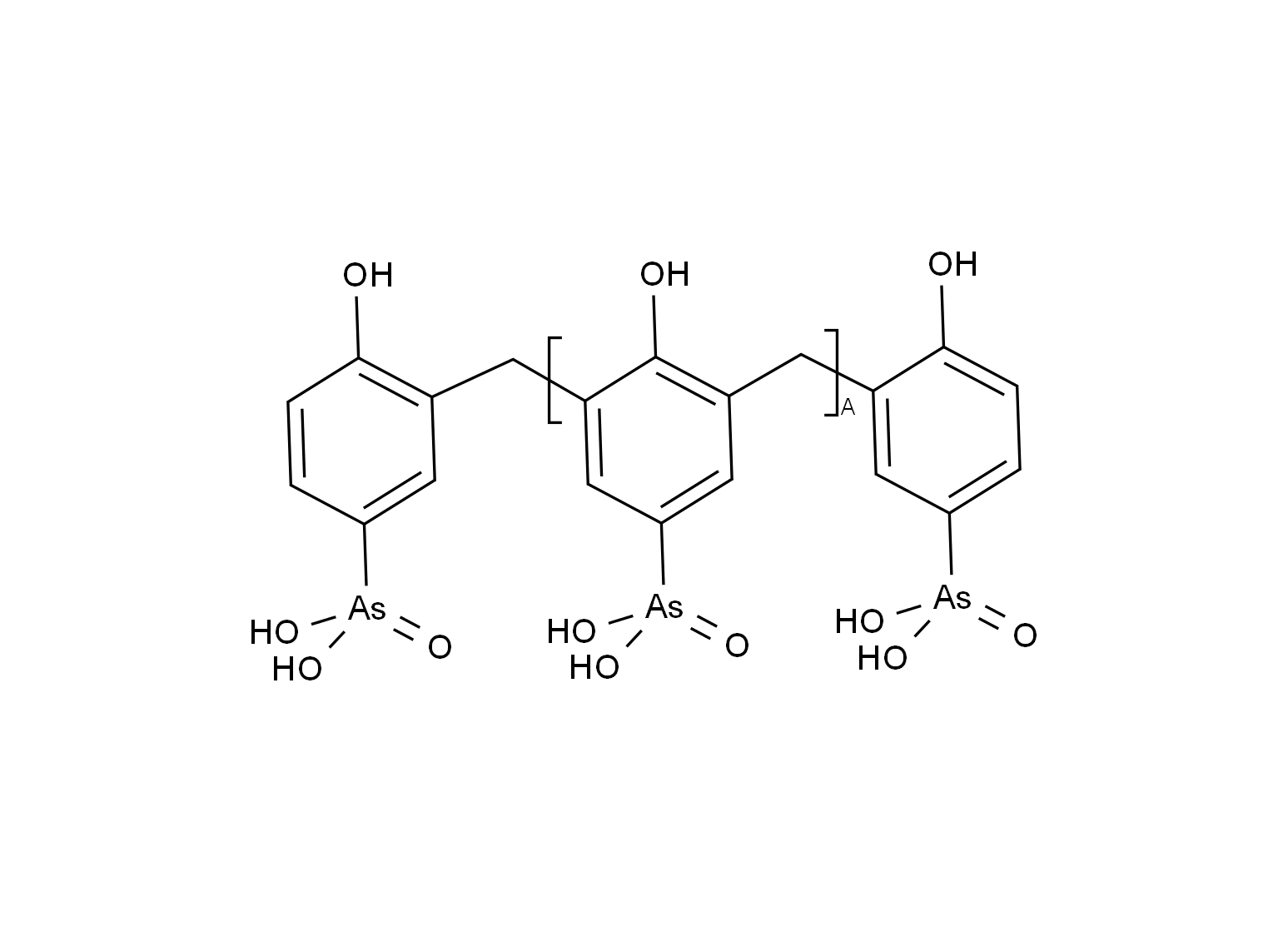
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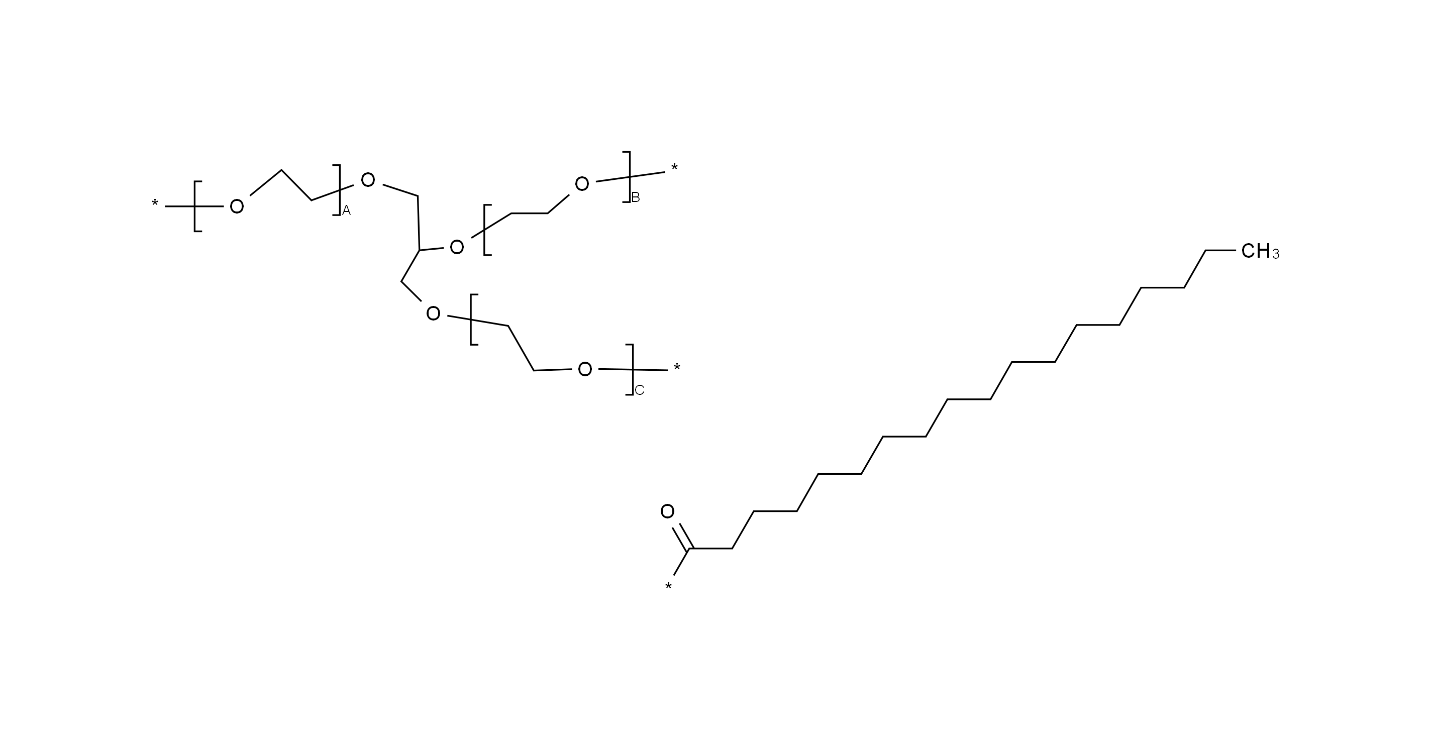
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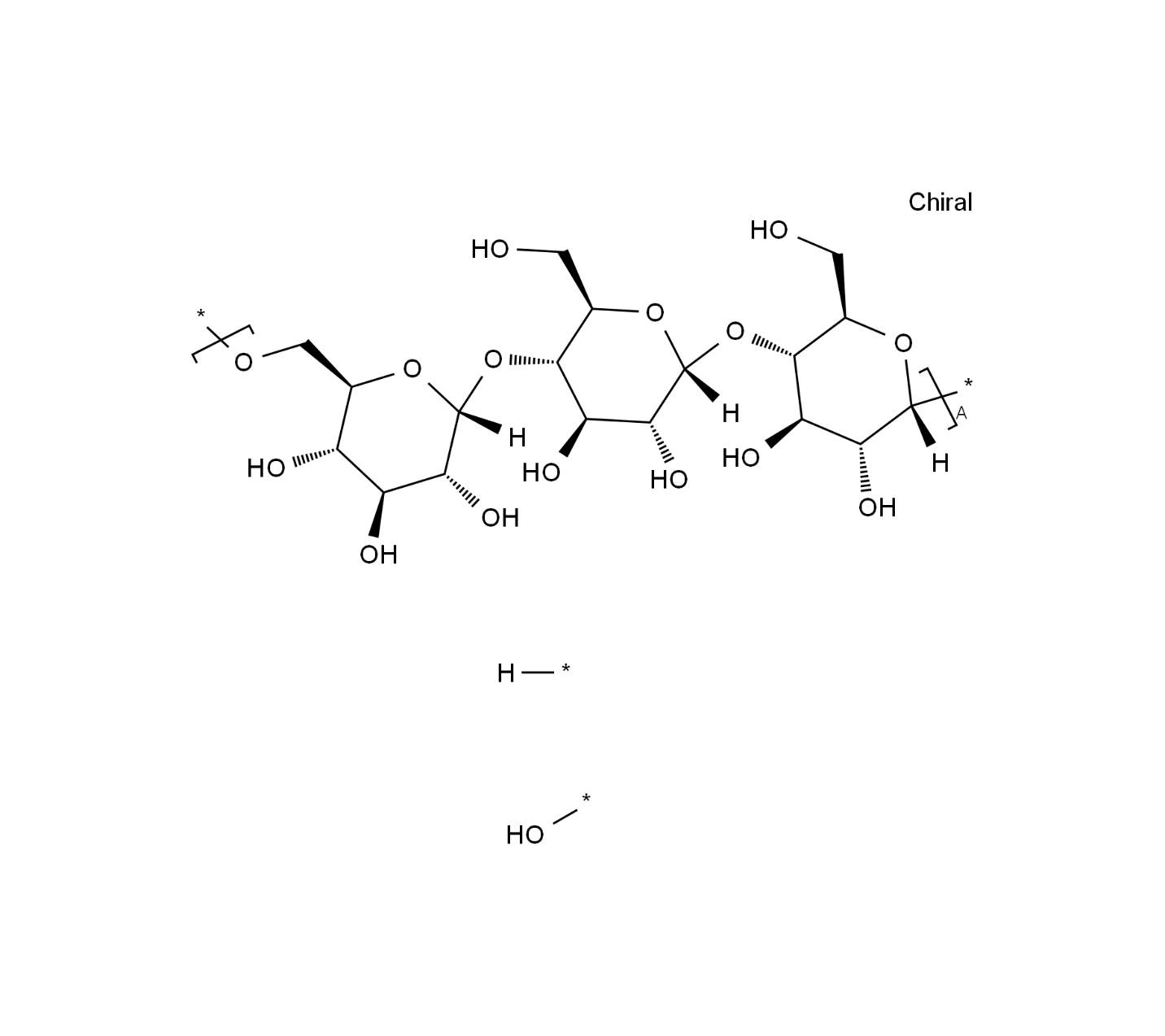
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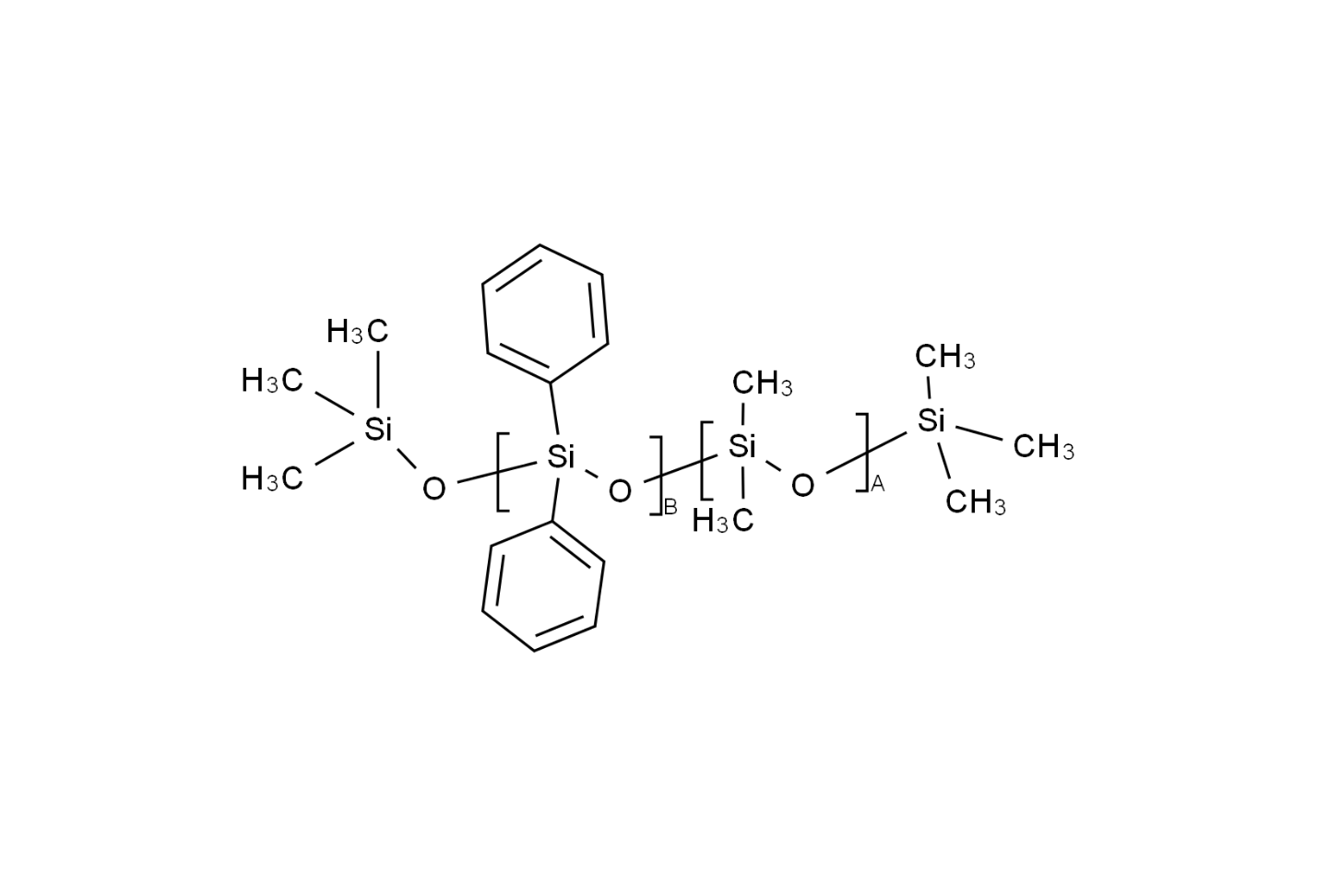
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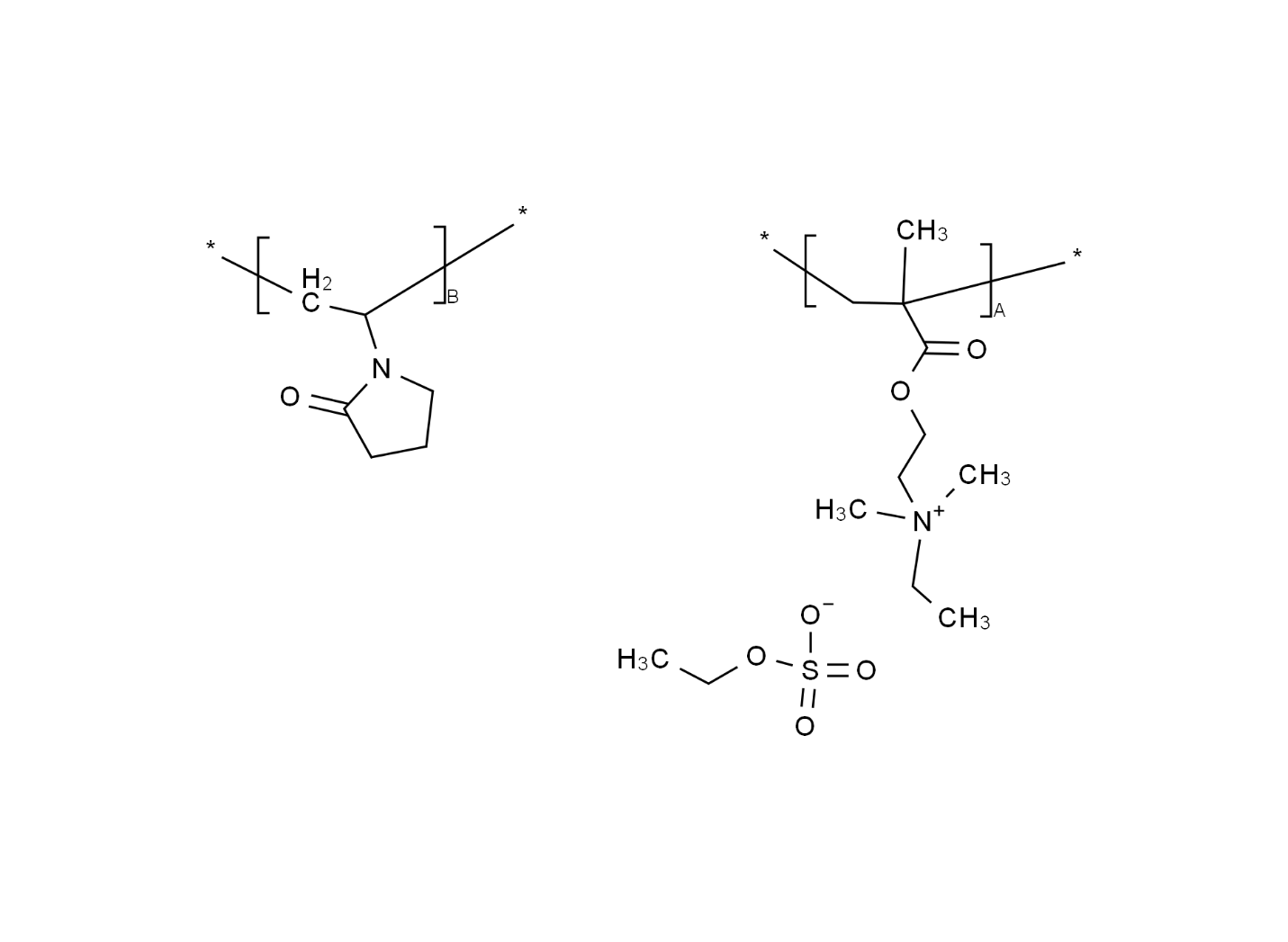


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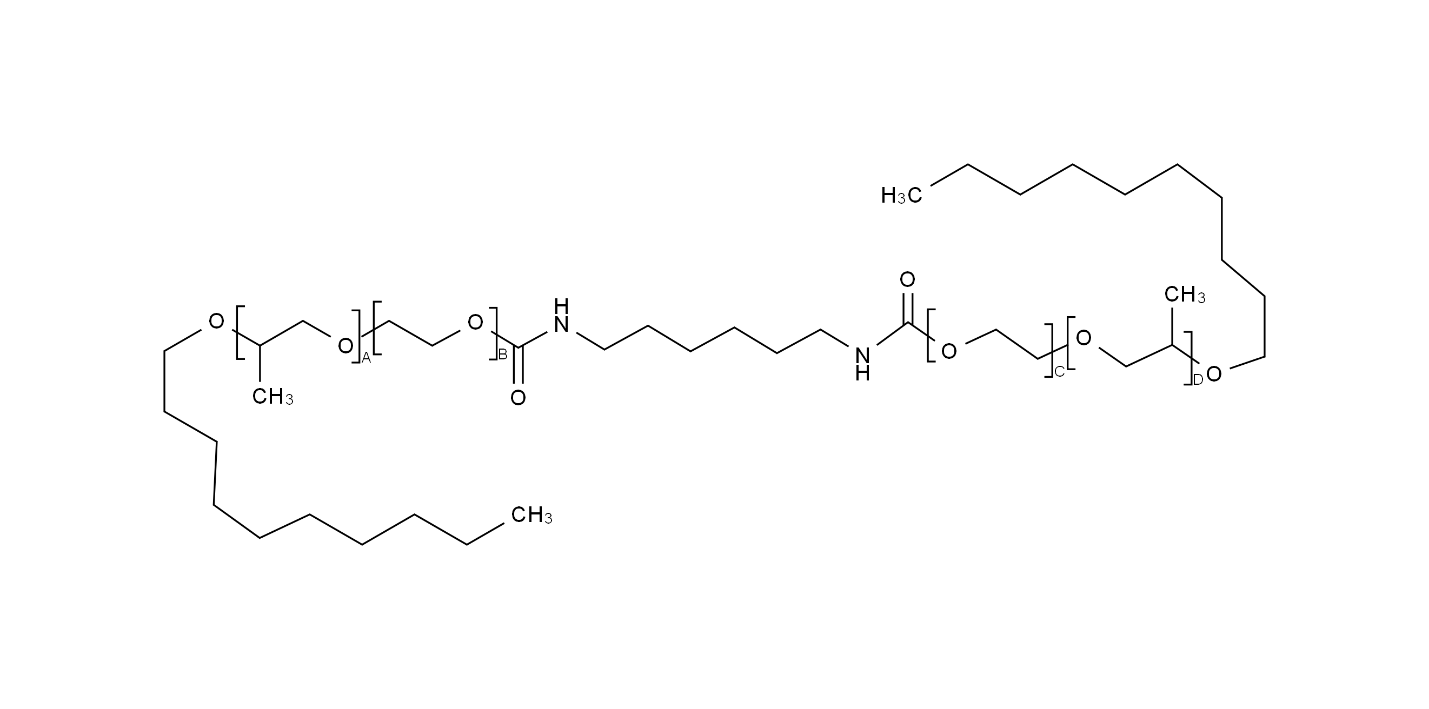


COPOLYMER\_LINEAR

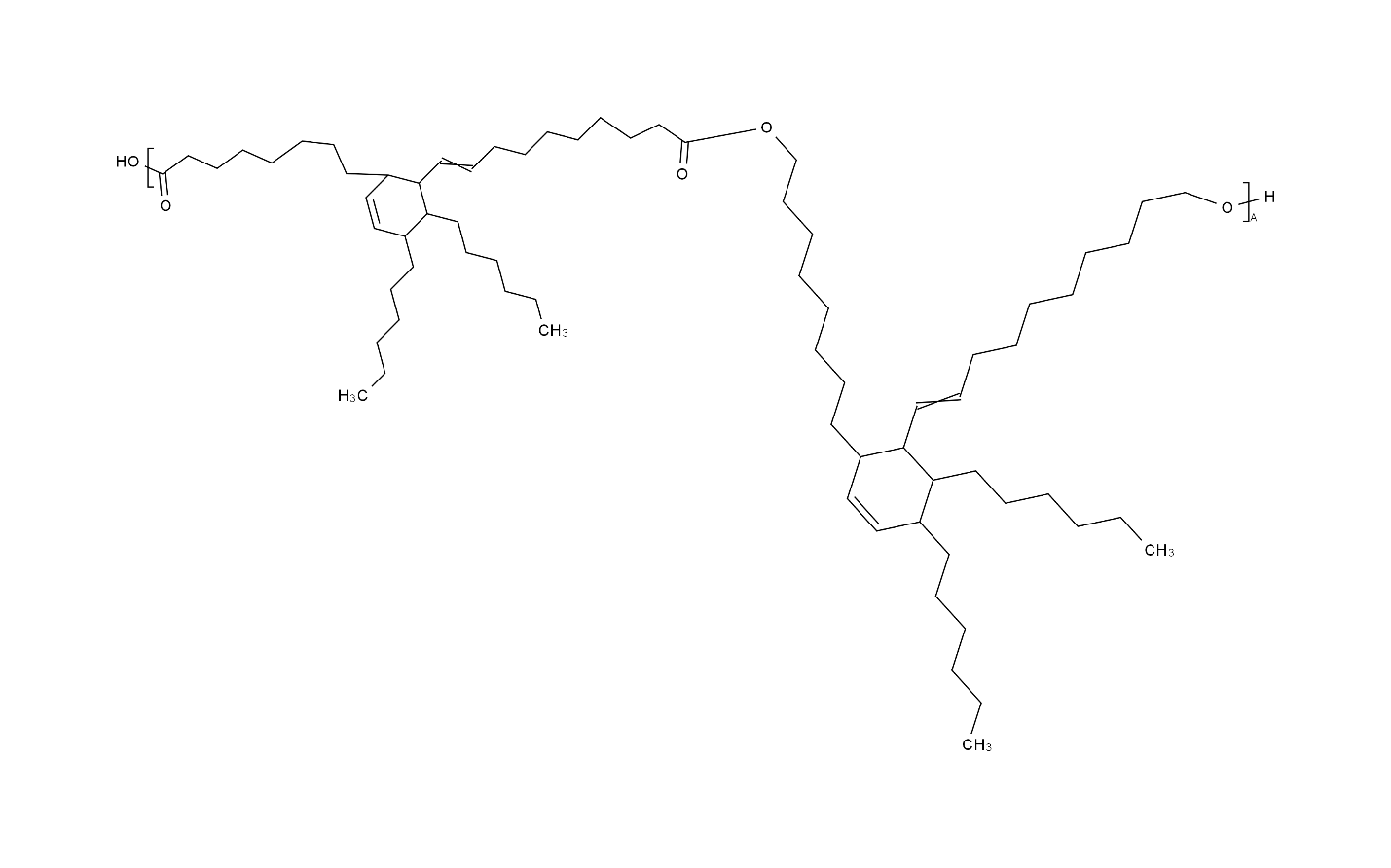
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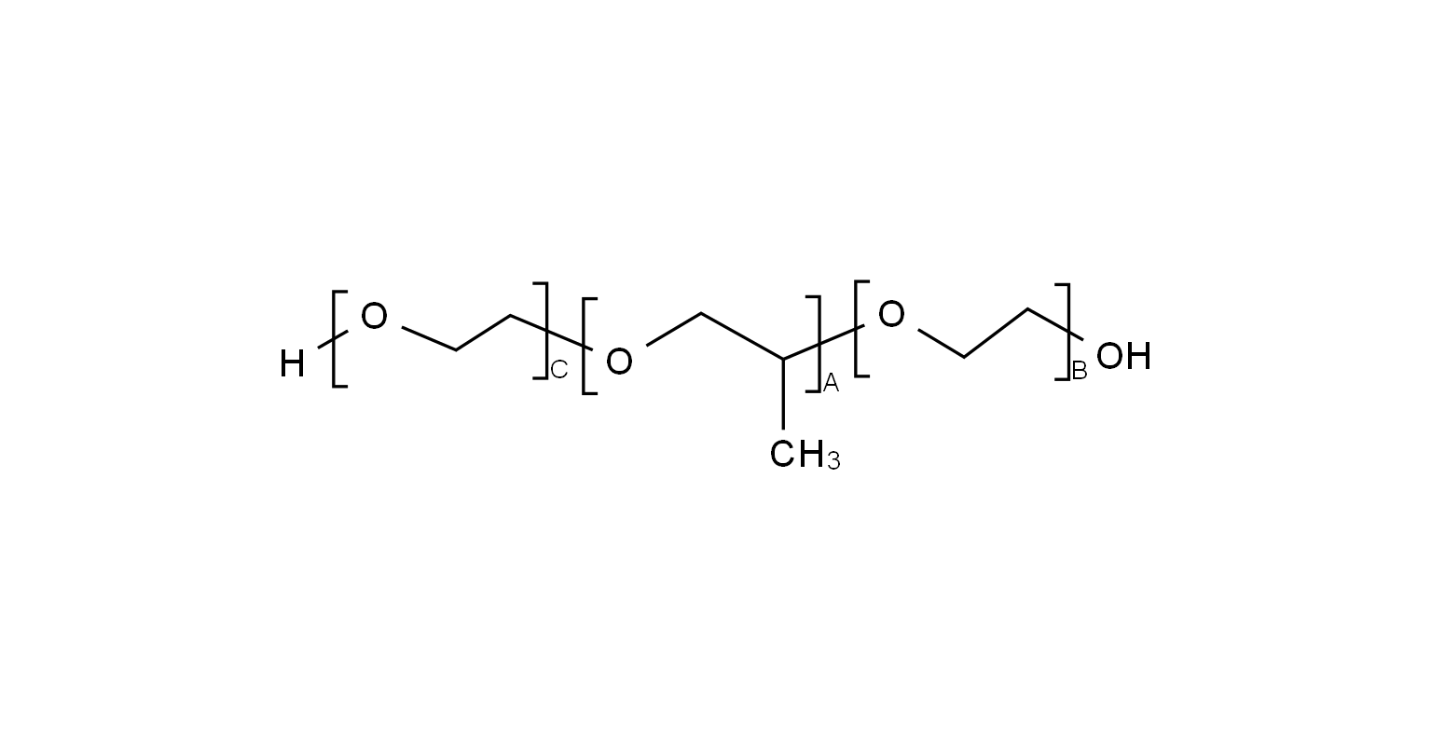
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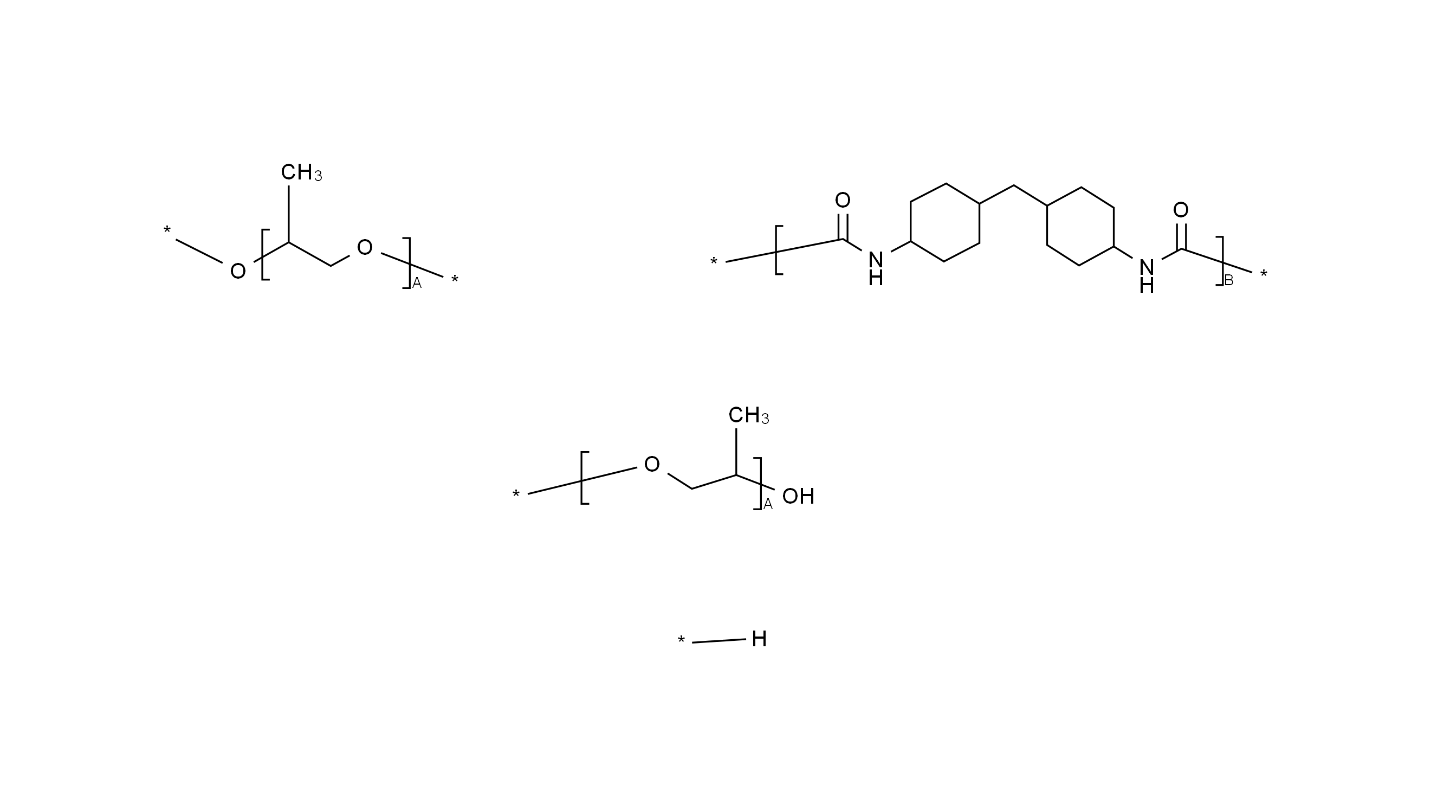
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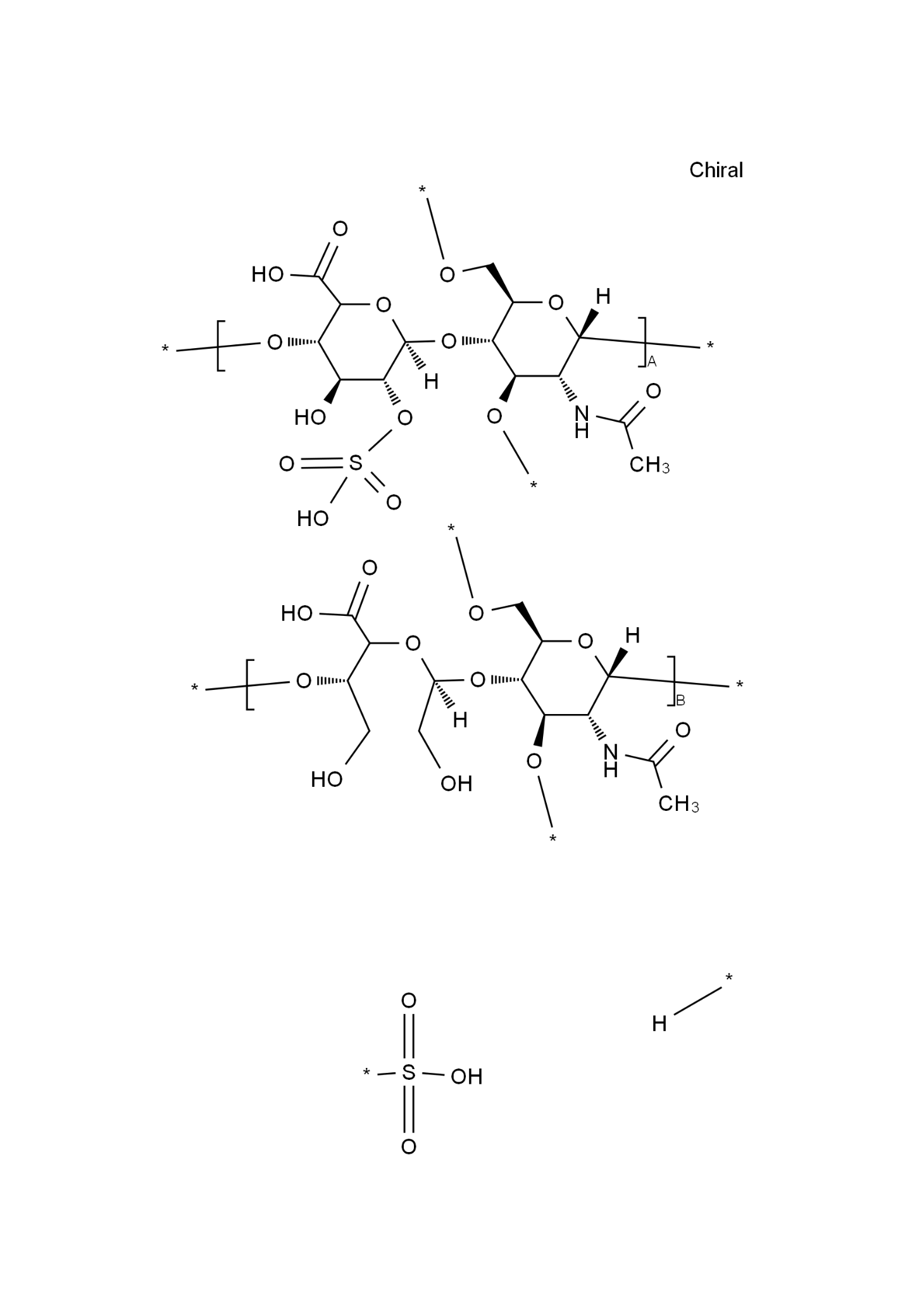
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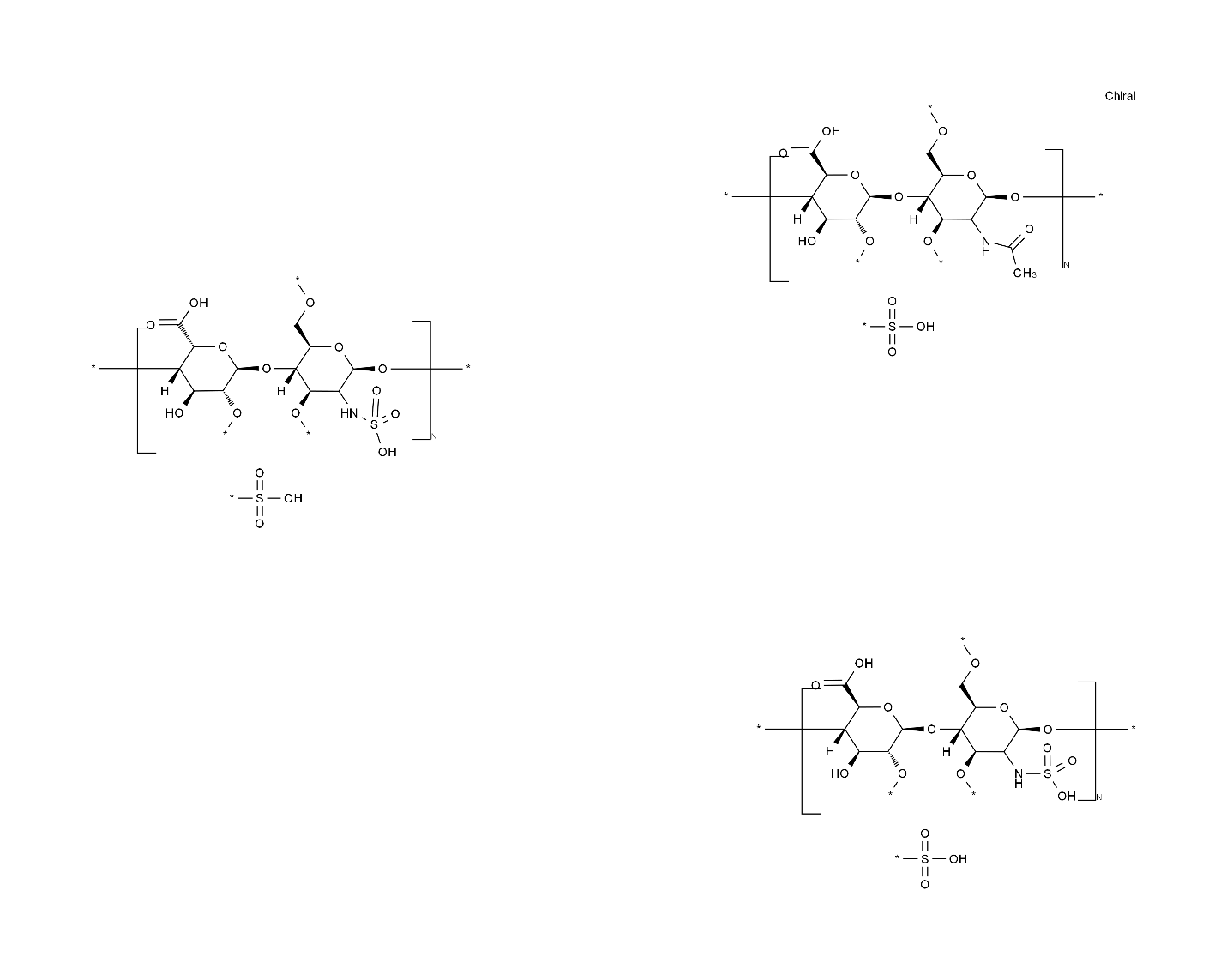
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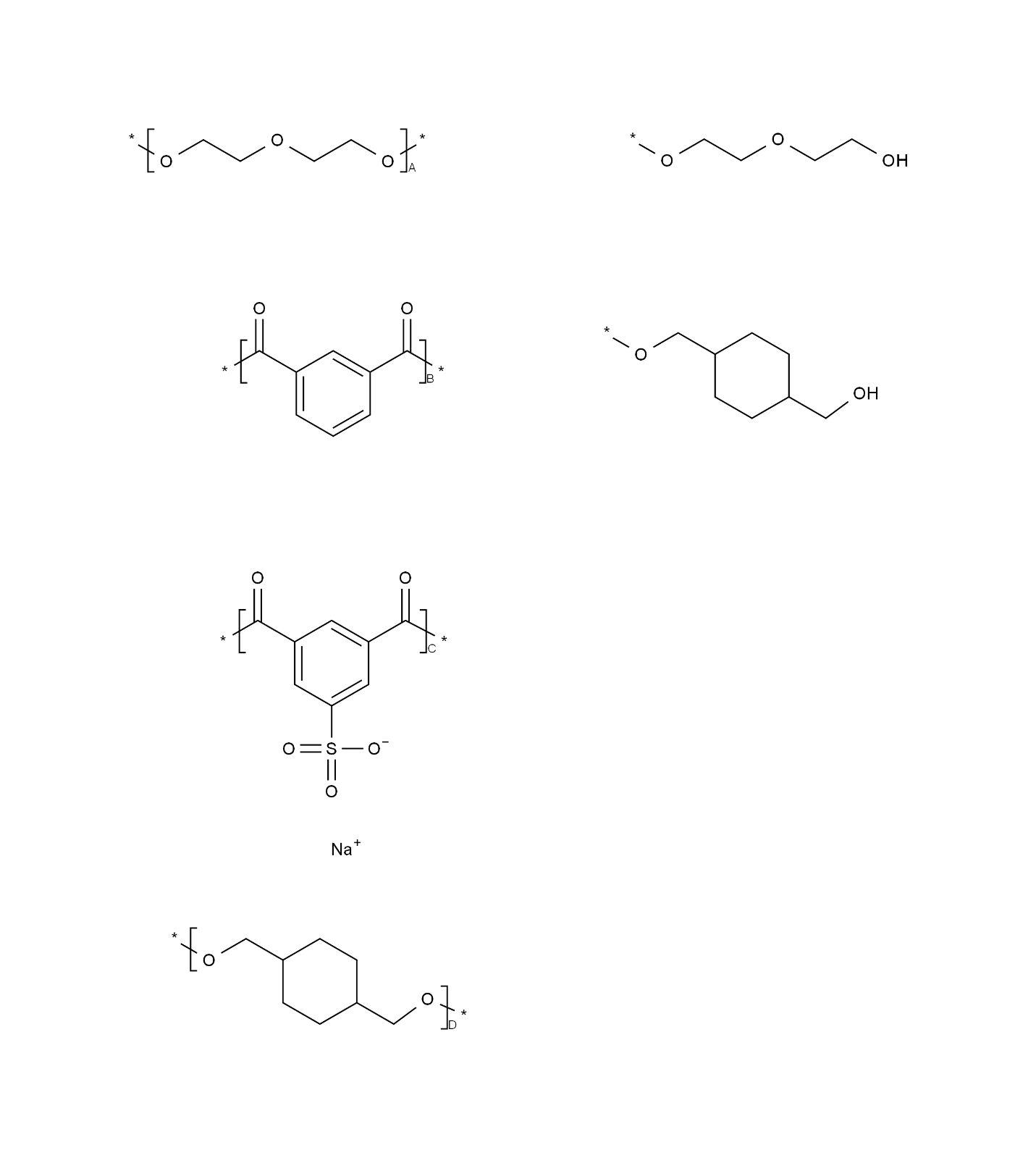
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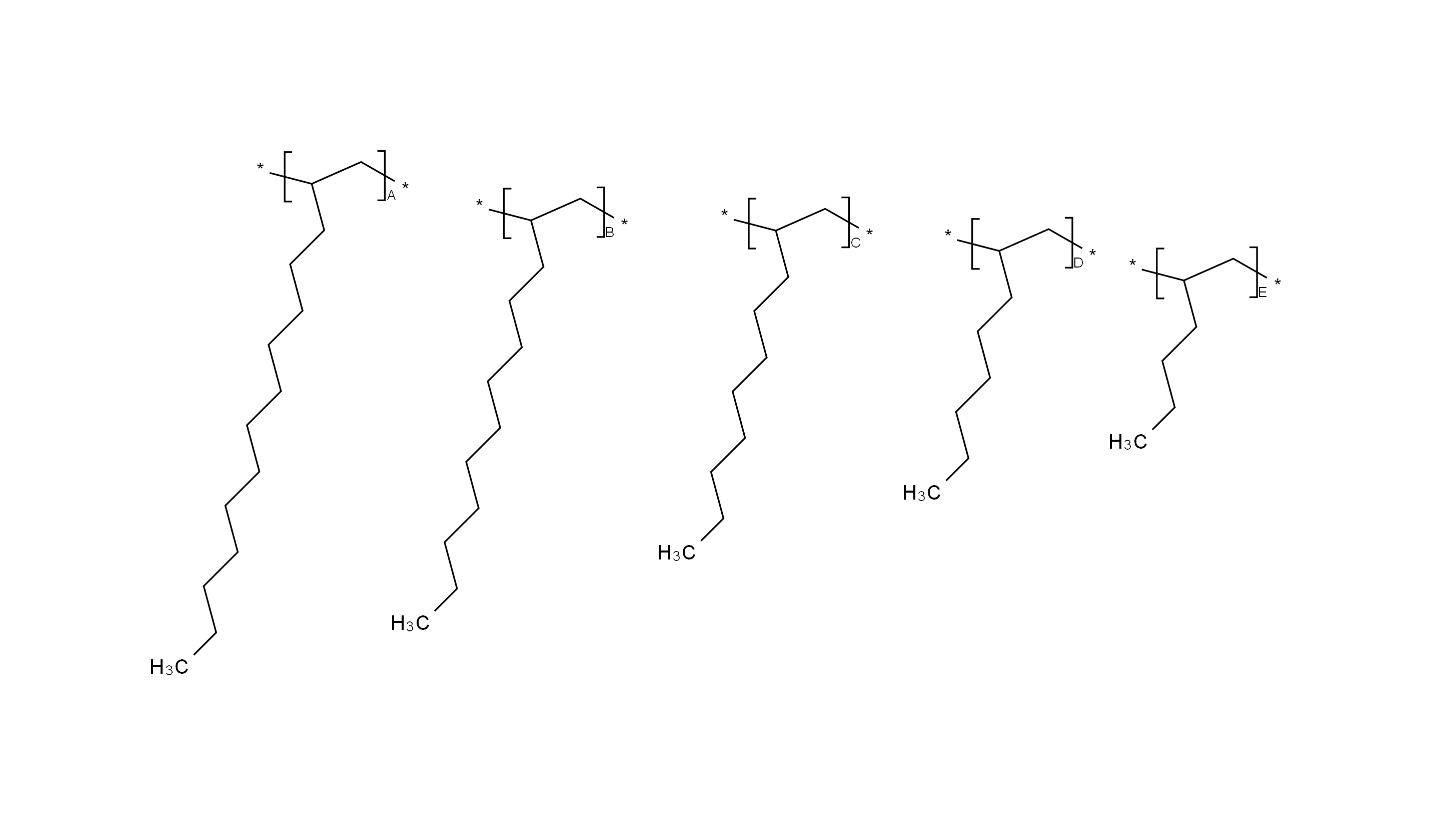
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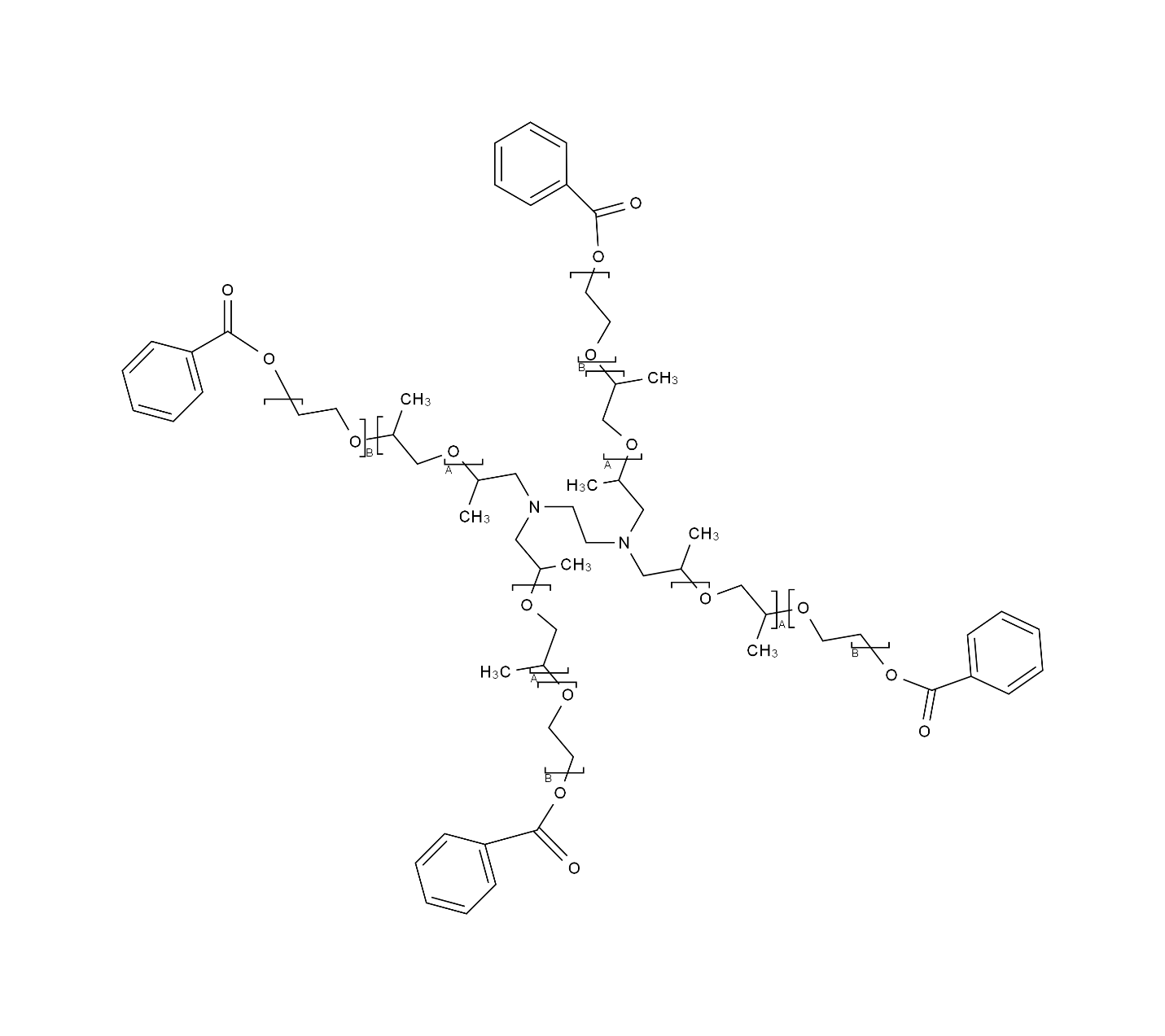
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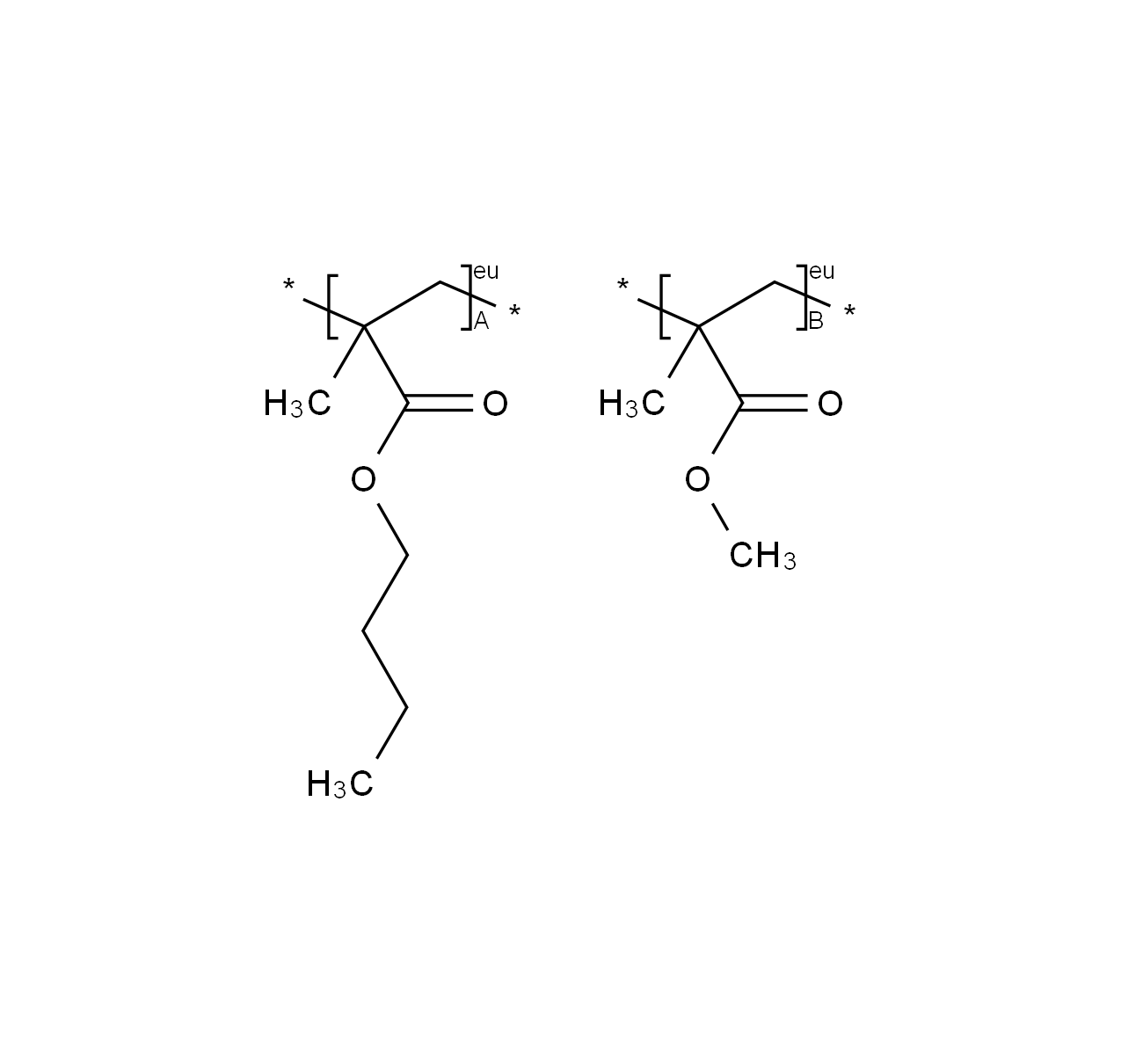
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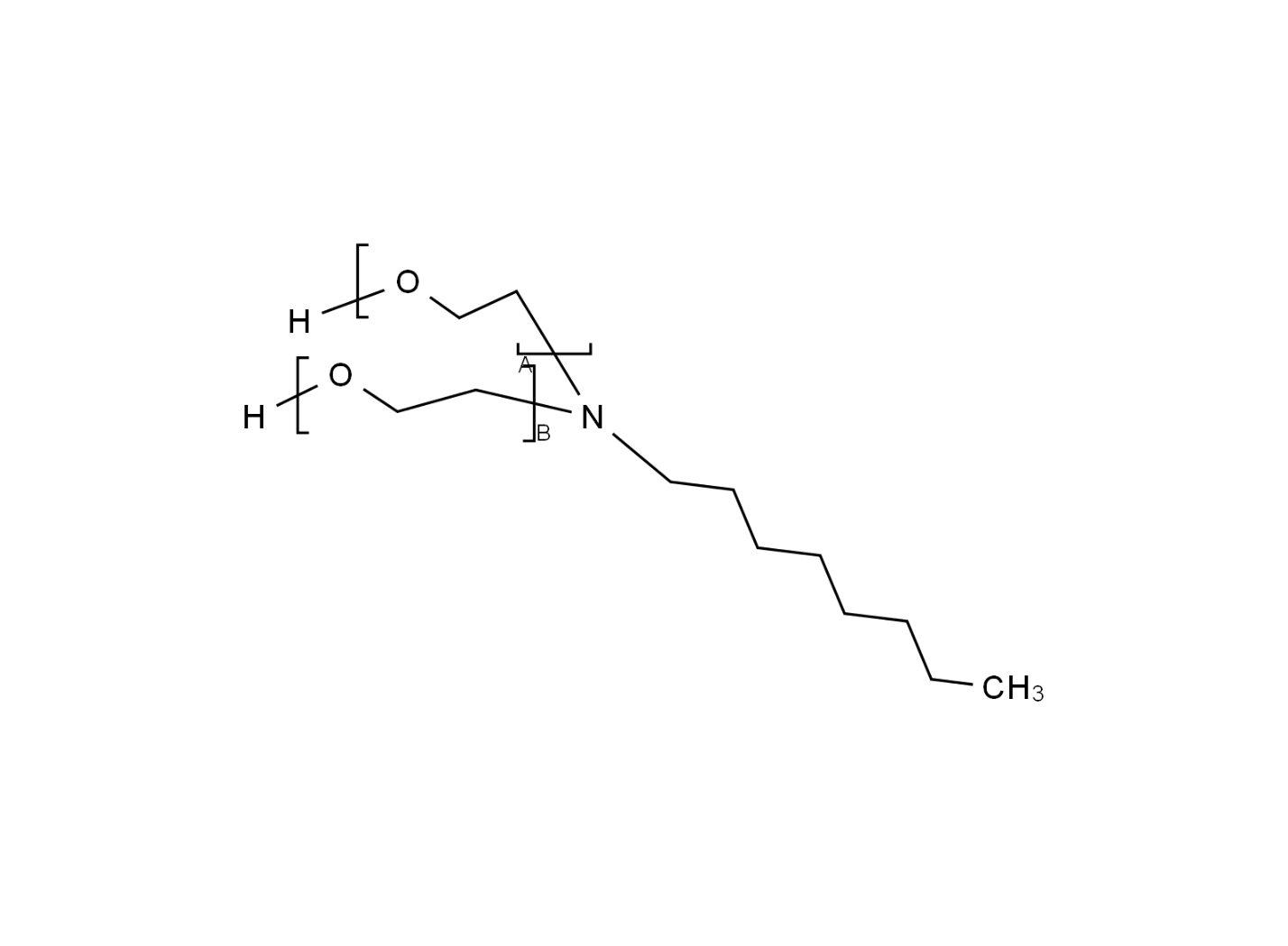


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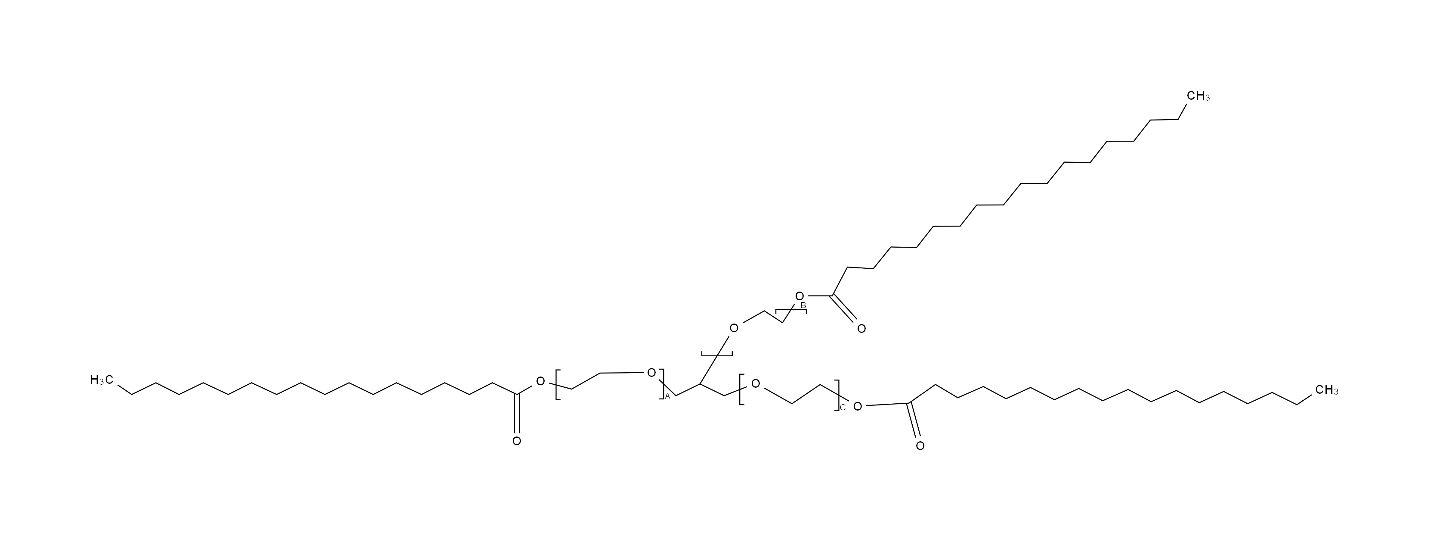


HOMOPOLYMER\_BRANCHED

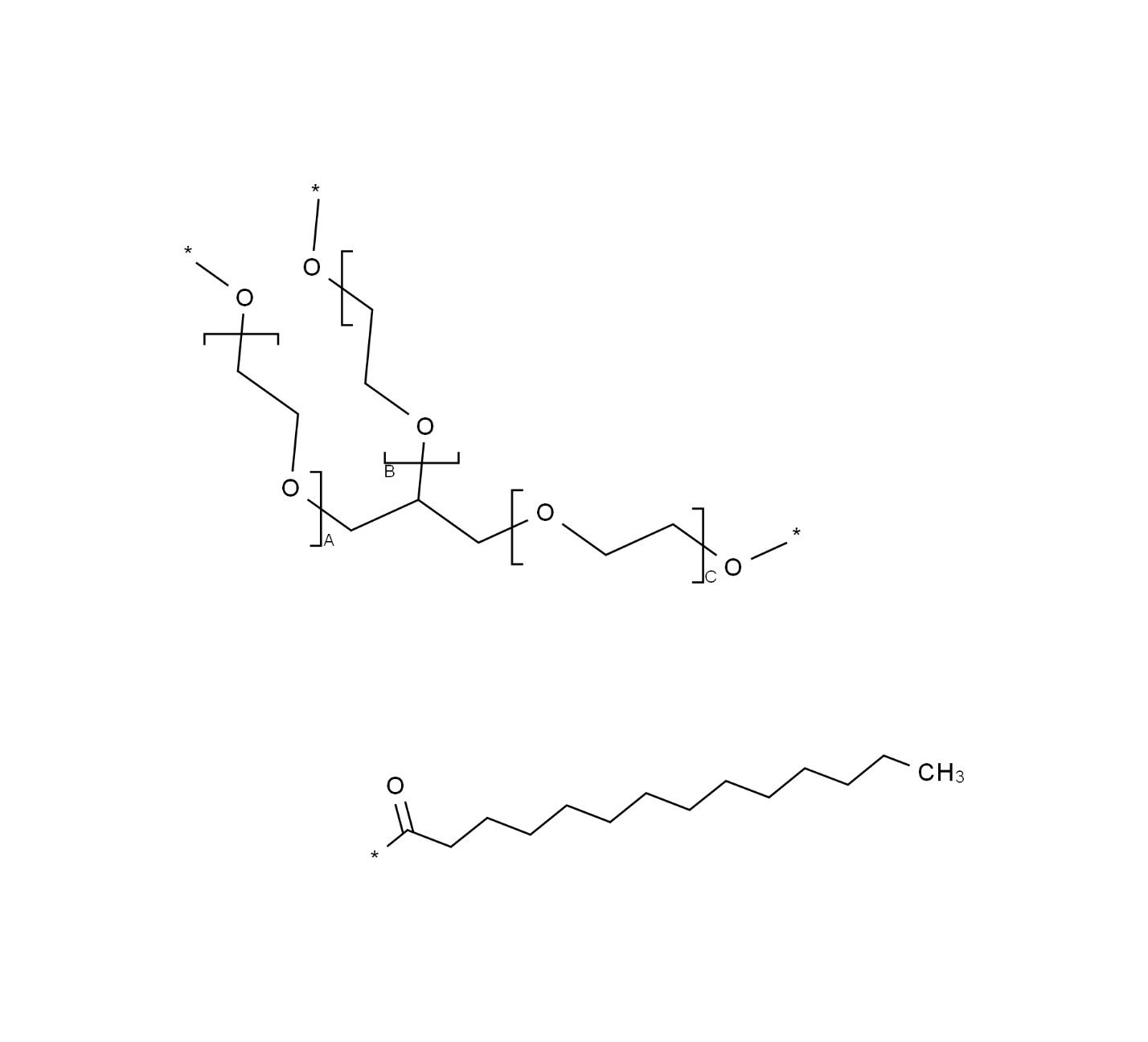
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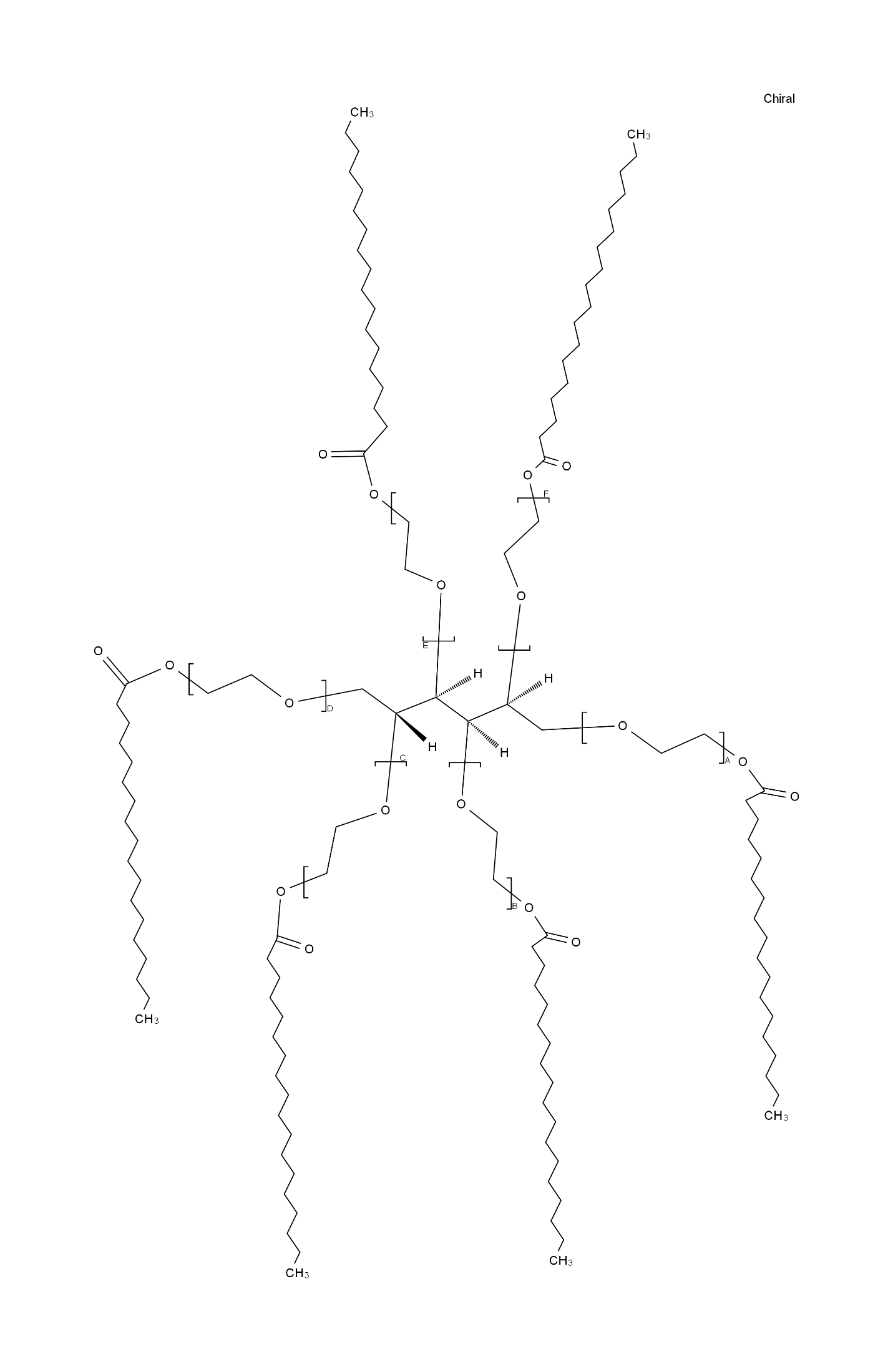
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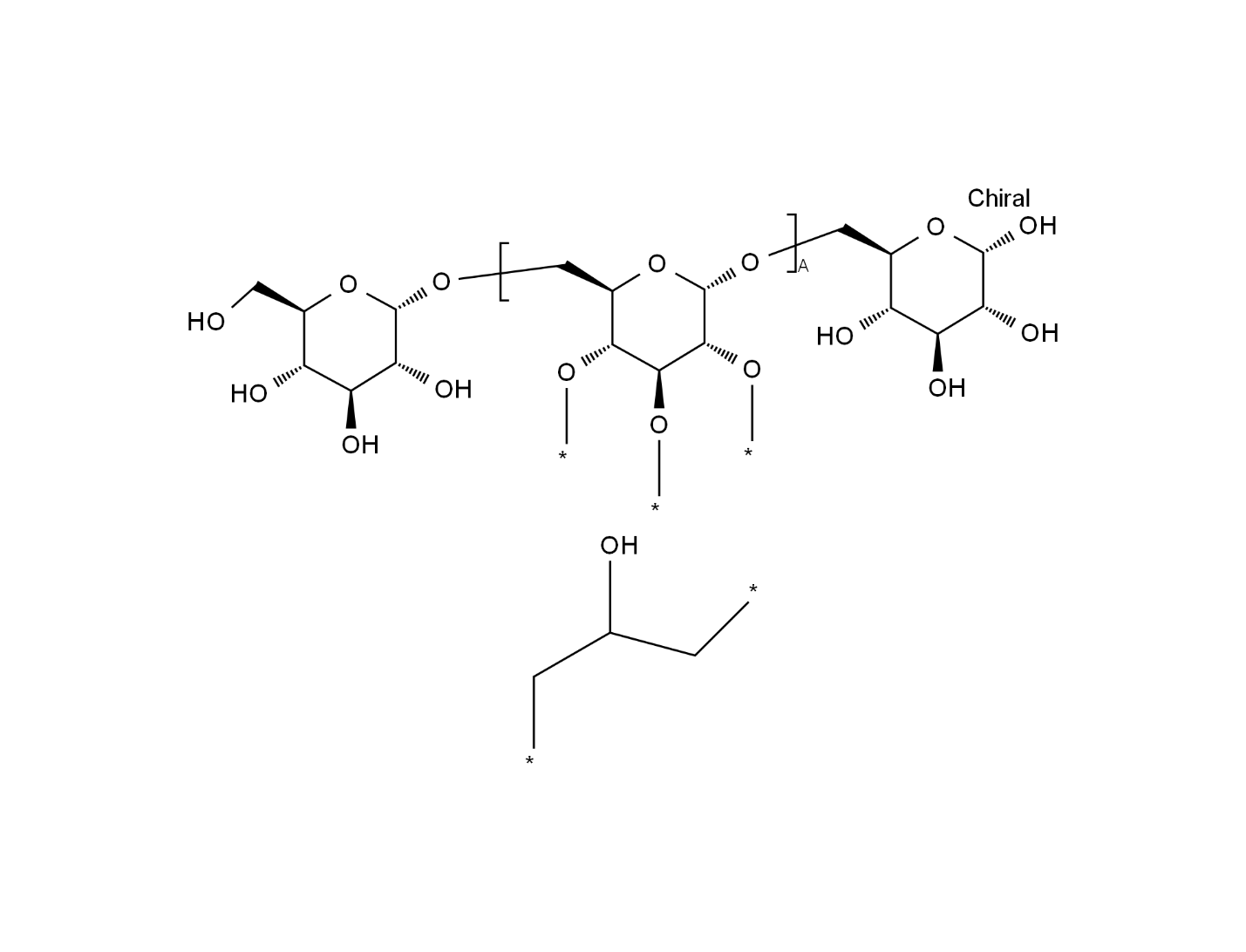


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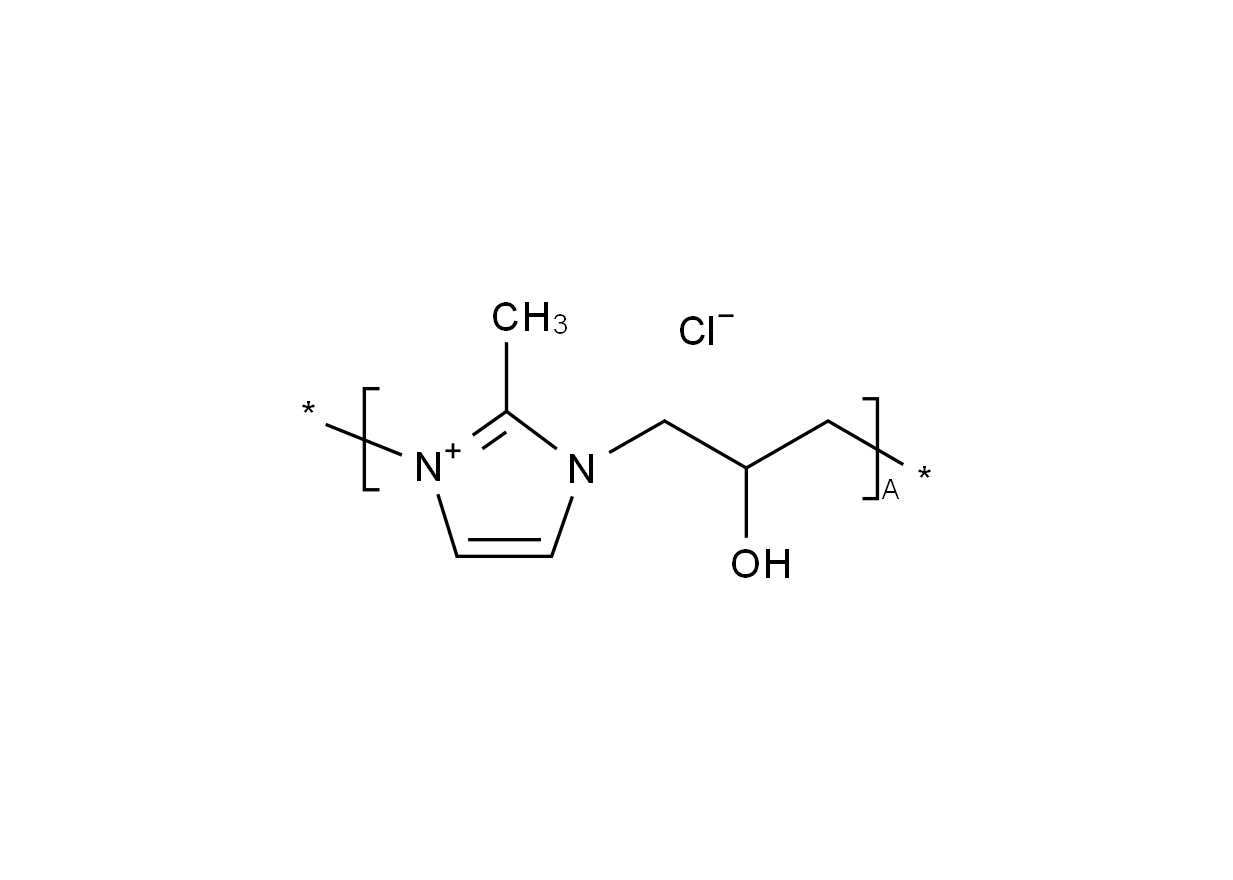


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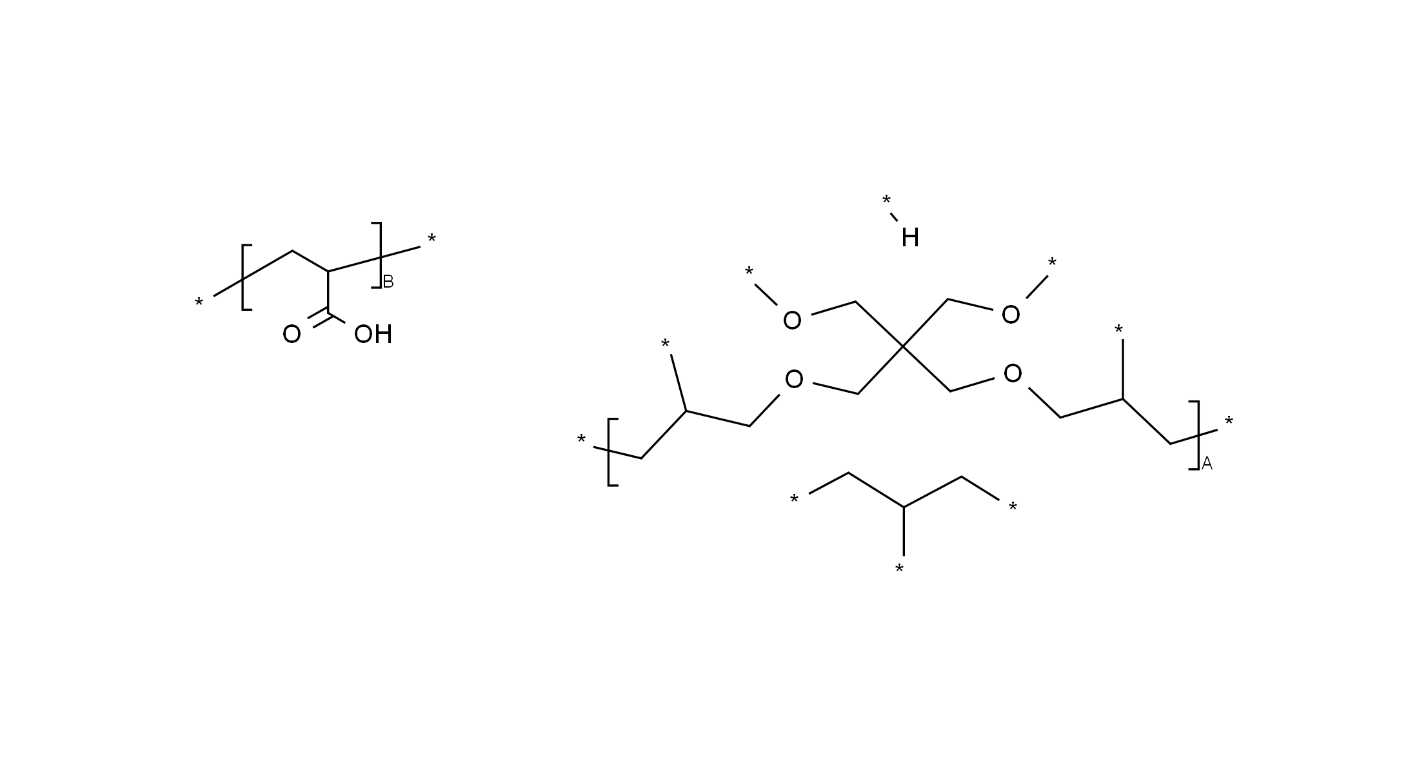


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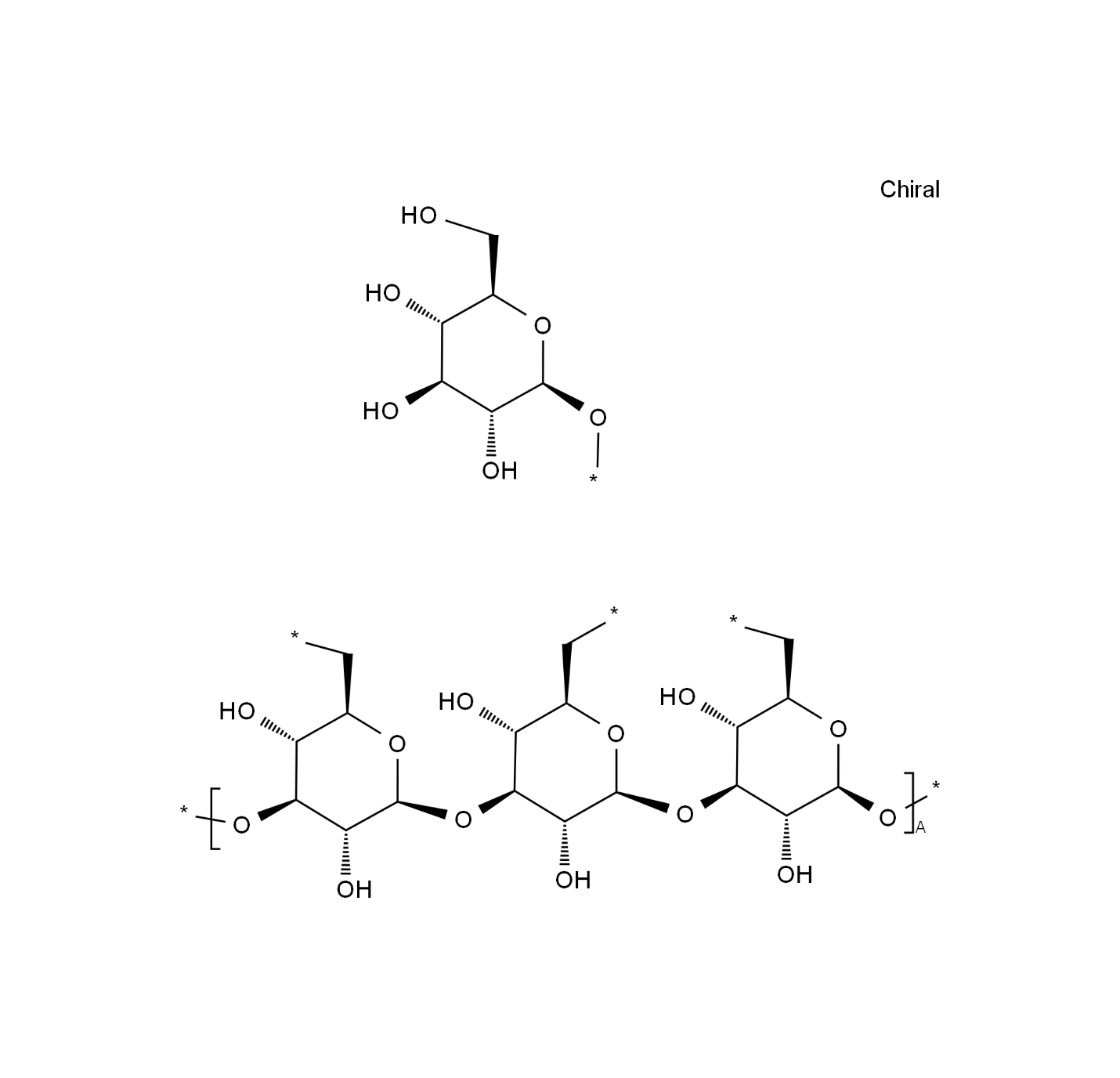
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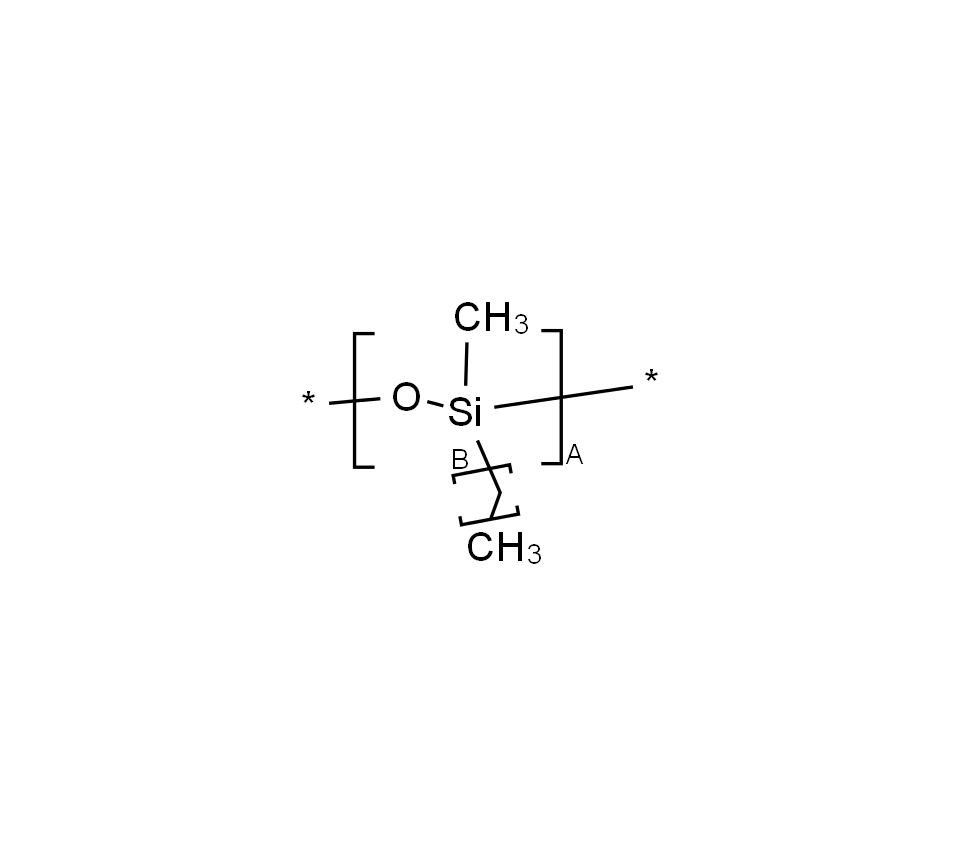


HOMOPOLYMER\_GRAFT

7F763NNC9X



NFX970DSI2



HOMOPOLYMER\_SUBSTITUED

0Z2R7OG99L

